ORDER NO. APD9012310

Service Manual

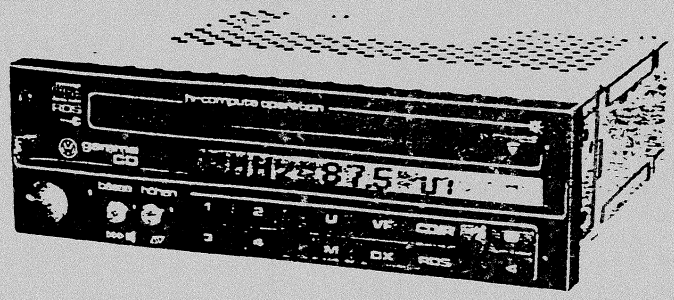
AUTO PRODUCTS

COMPACT disc DIGITAL AUDIO

CQ-JV1020L

COMPACT DISC PLAYER with MW/UKW/VF/RDS MPX electronic tuner RADIO

COMPACT DISC SPIELER mit elektronisch abstimmbaren MW/UKW/VF/RDS MPX RADIO



FUATURES

- PLL (Phase-locked loop) synthesuzer system is employed to eliminate frequency deviations with change in temperature others.
- The AMDC (Automatic Multipath Distortion Canceller) circuit is built in to alleviate the distorted feeling otherwise caused by multipath noise.
- The GALA system.
- The 8cm / 12cm compatible deck permits the play of an 8cm cassette disc without use of an adaptor.
- High quality sound can be enjoyd through adoption of a high-performance 1 bit D /A converter and a digital filter.

MERKMALE

- Das PLL-Synthesizersystem (PLL = phasenstarre Schleife) wird verwendet, um Frequenzabweichungen bei Temperaturänderungen zu eliminieren.
- Die singebaute AMDC-Schaltung sorgt für automatische Unterdrückung von Rauschstörungen durch Mehrwegempfang.
- Das Gerät ist mit dem GALA-System ausgerüstet.
- Das Empfangsteil ist für RDS und ARI-Verkehrsfunk ausgelegt.
- Das Laufwerk ist für standardmäßige 12cm-CDs und 8cm-CD-singles (kein Adapter erforderlich) geeignet.
- Der eingebaute hochleistungsfähige 1 + Bit-D / A-Wandler mit Digitalfilter gewährleistet eine hohe Klangqualität.

Panasonic

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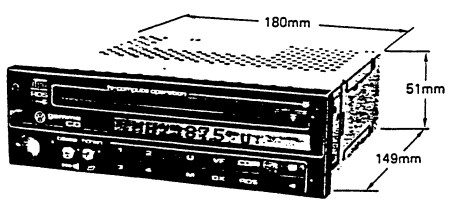
DIMENSIONS/ABMESSUNGEN



SPECIFICATIONS*

Power Supply :	DC 12V (11~16V) Test Voltage 14.4V Negative Ground
FM Stereo Radio	
Frequency Range :	87.5~108 MHz
Usable Sensitivity (S/N 30 dB) :	7 dB/μV
Stereo Separation :	35 dB (at 1 kHz)
AM Radio	
Frequency Range :	522~1,602 kHz
Usable Sensitivity (S/N 20 dB) :	24 dB/μV
CD Player	
Frequency response :	17 Hz~20 kHz
S/N :	85 dB
Total Harmonic distortion :	Less than 0.01%
Dimensions**	180(W)×51(H)×149(D)mm

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approxi-mate.

TECHNISCHE DATEN*

Stromversorgung :	GS 12V (11~16V) Testspannung 14.4V Batterieklemme negativ an Masse
UKW-Stereo-Empfangsteil	
Empfangsbereich :	87.5~108 MHz
Anwendbar Empfindlichkeit (Signal-Rauschabstand 30 dB) :	7 dB/μV
Stereoabscheidung :	35 dB (bei 1 kHz)
AM-Empfangsteil	
Empfangsbereich :	522~1,602 kHz
Anwendbar Empfindlichkeit (Signal-Rauschabstand 20 dB) :	24 dB/μV
CD-Spieler	
Frequenzgang :	17 Hz~20kHz
Fremdspannungsabstand :	85 dB
Gesamtklirrfaktor :	Weniger als 0.01%
Abmessungen**	180(W)×51(H)×149(D)mm

* Technische Daten und Ausführung können sich ändern ohne besondere Ankündigung bei gebührenden Verbasserungen.

** Abmessungen und Gewicht in angenäherten Werten angegeben.

LASER PRODUCTS

Caution
This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pick-up to retrieve information from the surface of compact discs.
The laser is carefully shielded so that its rays remain inside the cabinet.
Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Laser products;
Wave Length ____ 780 nm
Laser Power ____ No hazardous radiation is emitted with safety protection.

LASER ERZEUGNISSE

Vorsicht
Dieses Gerät arbeitet mit Laserstrahl.
Benutzung der Bedienungselemente oder Verhänderungen oder Betriebsweise anders als hierin beschrieben, kann zu gefährlicher Strahlenaussetzung führen.

Öffnen Sie dieses Gerät nicht und versuchen Sie unter keinen Umständen am Gerät herumzubasteln.
Dieses Gerät ist ein sehr kompliziertes Instrument welches einen Laserstrahl benutzt um die auf der Oberfläche der Disc gespeicherten Informationen abzulesen.
Der Lasestrahl ist sorgfältig abgeschirmt sodaß die Strahlung innerhalb des Gerätes verbleibt.
Aus diesem Grunde öffnen Sie das Gerät auf keinen Fall und versuchen Sie unter keinen Umständen Geräteteile zu verändern, Sie können sich unter Umständen gefährlicher Strahlung und Stromspannung aussetzen.

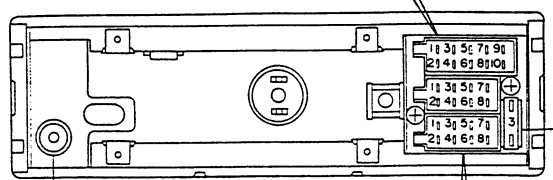
Laser Erzeugnisse:
Wellenlänge ___ 780 nm
Laser Energie __ Mit Sicherheitsschutz entweicht keine gefährliche Strahlung.

ELECTRICAL CONNECTIONS / ELEKTRISCHER ANSCHLUß

NOTE : Power supply terminal of radio must be connected to a constant power supply of car to maintain the memory.

CN9-1 (10 Pin)
EXTERNAL CONTROL CONNECTOR
1~4. Not Use
5. Signal Ground
6. External Mute
7. Right Front Speaker (+)
8. Right Rear Speaker (+)
9. Left Front Speaker (+)
10. Left Rear Speaker (+)

FUSE
Be sure to use a fuse of specified rating (3A : Order Part No. YEAF2003) when replacing a blown fuse. Fuses rated higher capacity, use of any substitute, or connection without a fuse may result in a fire hazard or damaged to the unit.



Antenna Receptacle

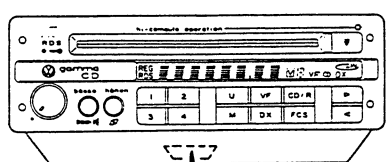
ANTENNA CONNECTION
Length of the cable from the antenna should be short as possible for best radio reception.

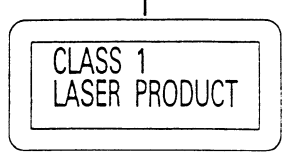
SPEAKER CONNECTION
Make sure all speakers are connected in the same polarity.

CN9-3 (8 Pin)
POWER CONNECTOR
1. GALA (+)
2. GALA (−)
3. Active Speaker Relay Control
4. S-CONT
5. Motor Antenna
6. Dimmer Control
7. Power Supply
8. Ground

LABEL INDICATIONS AND THEIR LOCATIONS
HINWEISETIKETTEN UND DEREN LAGE

ACHTUNG! Unsichtbare Laserausstrahlung wenn geöffnet.
DIREKTE STRAHLAUSSETZUNG VERMEIDEN.

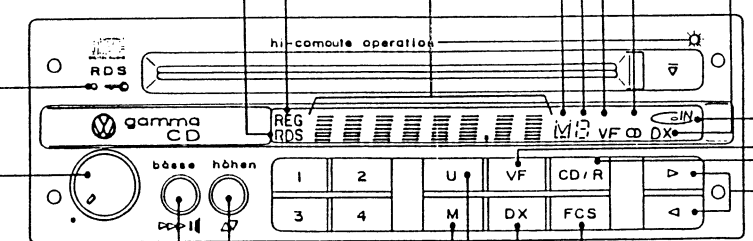




PLUS 1 LASERPRODUKT

OPERATION OF CONTROLS

MAIN CONTROLS & RADIO OPERATION



Anti-Theft Indicator

Character Display

REG Indicator

RDS Indicator

Function Indicator

Preset NO. Indicator

VF Indicator

Stereo Indicator

CD IN Indicator

DX Indicator

ON / OFF Switch and volume Control

- Turn clockwise : Switches the power ON. Increases the sound volume.
- Turn counterclockwise : Decreases the sound voloume. Switches the power OFF.

Seek Tuning Button (PUSH)

- The seek starts upon releasing this button after pressing it for 0.5 second or longer.
- When the seek is tried three times from the seek start because of difficulty in receiving the desired broadcasting station on the VF band, a WT (Warning Tone) is issued thereafter (as from the 4th retry).

Bass Tone Control (Pull this control for use)

- Turn clockwise : Increases the bass tone.
- Turn counterclockwise : Decreases the bass tone.

GALA Control (PULL LOCK)

- Turn clockwise : Increases the GALA effect.
- Turn counterclockwise : Decreases the GALA effect.

Treble Tone Control (Pull this control for use)

- Turn clockwise : Increases the treble tone.
- Turn counterclockwise : Decreases the treble tone.

Fader Control (PULL LOCK)

- Turn clockwise : Increases the rear. (The front is decreased).
- Turn counterclockwise : Increases the front. (The rear is decreased).

Preset Station Selector Buttons

- The desired frequency can be preset to the preset button when any one of (1) to (4) button is pressed.

(Initial frequency setting.)

	CH1	CH2	CH3	CH4
MW	522	999	1404	1602
UKW	87.5	98.1	98.1	108

- Make a call bty pressing the desired button for less than 2 seconds.
- Muting is put into effect when presetting is done by pressing the button for 2 seconds or longer (for memory)

Band Selector (M / U)

FM:

- A switchover is made to the FM band when (u) is pressed.
- The stereo indicator (∞) lights when the stereo broadcasting is selected.
- Sensitivity switchover is reset to LOC.

AM:

- A switchover to the AM band is made when (M) is pressed.
- Sensitivity switchover is reset to LOC.

DX Button (DX)

- A DX / LOC switchover is made whenever this button is pressed.
- DX is displayed during DX, but no display is made during LOC.

RDS Button (RDS)

- RDS function is switched ON and OFF whenever this button is pressed for less than 2 seconds.
- The RDS indicator turns ON and OFF.
- The REG turns ON and OFF whenever this button is pressed for more than 2 seconds.

Up / Down Tuning Button

- When the ▷ or ◁ button is released within 2 seconds. (▷: up, ◁: down), the frequency is stepped up or down by 1 instantaneously.
- When the ▷ or ◁ button is pressed for 1 second or longer (▷: up, ◁: down), fast forward winding is made while the button is being pressed. Muting is in effect during this time. When the button is released, the fast forward winding stops, and normal reception begins.

CD / RADIO Selector Switch (CD / R)

- A switchover is made to the CD mode to play back the CD when this button is pressed. (This switch is enabled only when a disc is in. A switchover is ignored when a disc is not in).

VF Button (VF)

- A switchover is made to the VF band when this button is pressed.
- The stereo indicator lights up during the stereo broadcasting.
- Sensitivity switchover is reset to LOC.
- The auto seek is made immediately after switchover when the broadcasting station is not a VF station.

CD OPERATION

Disc Slot

- Insert disc with label side facing up. Push inward until the mechanism captures the disc. Playback starts automatically from track "1" when the disc is inserted. The track number "1" and the time counter are shown on the LCD display.
- Loading only is made in the Security mode, during WT or during traffic information entry.

NOTES:

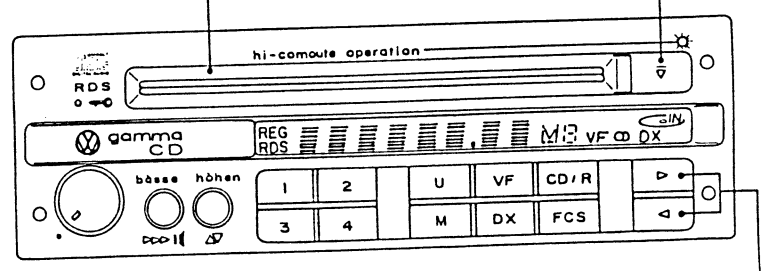
- If disc is inserted with label side facing down, the disc will be automatically ejected.
- If two discs are inserted simultaneously it will cause some damage to the disc itself.

Eject Button

- Press this button to eject the disc. The disc will pop out fo removal. The radio frequency will appear on the LCD display.

NOTE:

- When a disc is not removed within 30 seconds after ejection loading is automatically made. (The CD mode is not set)



Up / Down Track (⊳ is up and ⊲ is down)

- When the hand is let off within 2 seconds after pressing either ⊳ or ⊲ button, the next program is searched, and its program number is displayed.
- A 'poop' sound is issued during track up/down.

FF / REW (⊳ is FF and ⊲ is REW)

- Next programs are continuously made while pressing the ⊳ or ⊲ button for 2 seconds or longer.

BEDIENUNG

WICHTIGSTE BEDIENELEMENTE & RUNDFUNKEMPFANG

Anti-Theft Indicator

Zeichenan Zeigefeld

REG-Anzeige

RDS-Anzeige

FunktionsAnzeige

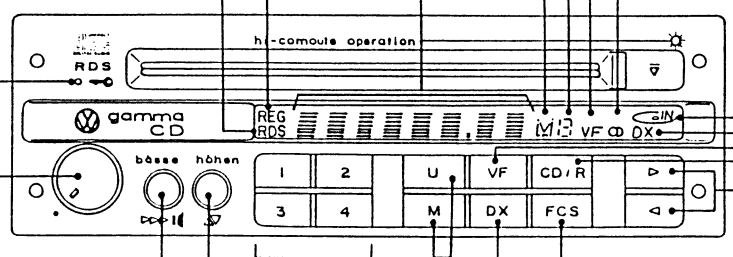
Festsendernummer-Anzeige

VF-Anzeige

Stereo-Anzeige

CD IN-Anzeige

DX-Anzeige



Netzschalter (ON/OFF) und Lautstärkeregler

- Rechtsdrehung : Schaltet das Gerät ein. Erhöht die Lautstärke.
- Linksdrehung : Vermindert die Lautstärke. Schaltet das Gerät aus.

Suchlauftaste (PUSH)

- Die Taste zum Starten des Suchlaufs mindestens 0.5 sek. gedrückt halten und freigeben.
- Wenn bei Verkehrsfunksuche aufgrund schwieriger Empfangsverhältnisse der Suchlauf drei Mal erfolglos ab Anfang gestartet wurde, ertönt ab dem vierten erneuten Versuch ein Warnton (WT).

Baßregler (Zum Einstellen vorziehen.)

- Rechtsdrehung : Betont die Baßwiedergabe.
- Linksdrehung : Schwächt die Baßwiedergabe ab.

GALA-Regler (PULL LOCK)

- Rechtsdrehung : Verstärkt den GALA-Effekt.
- Linksdrehung : Schwächt den GALA-Effekt ab.

Höhenregler (Zum Einstellen vorziehen.)

- Rechtsdrehung : Betont die Hochtonwiedergabe
- Linksdrehung : Schwächt die Hochtonwiedergabe ab

Faderregler (PULL LOCK)

(Zum Einstellen vorziehen.)

- Rechtsdrehung : Erhöht die Lautstärke hinten (Rücknahme vorn).
- Linksdrehung : Erhöht die Lautstärke vorn (Rücknahme hinten).

Festsendertasten

- Durch Gedrückthalten einer der Tasten (1) bis (4) kann die eingestellte Frequenz als Festsender auf dieser abgespeichert werden.

(Anfängliche Werkseinstellung)

	CH1	CH2	CH3	CH4
MW	522	999	1404	1602
UKW	87.5	98.1	98.1	108

- Zum Abrufen eines Festsenders die entsprechende Taste kurz drücken (weniger als 2 Sekunden).
- Beim Abspeichern einer Sonderfrequenz durch längeres Gedrückthalten der Taste (mindestens zwei Sekunden) ist die Stummschaltung aktiv.

Wellenbereichsschalter (M/U)

UKW :

- Zum Umschalten auf den UKW-Bereich (FM) ist (U) zu drücken.
- Bei Empfang eines Stereoprogramms leuchtet die Stereo-Anzeige (∞).
- Die Empfindlichkeit stellt sich auf LOC für Ortsempfang zurück.

MW :

- Zum Umschalten auf den MW-Bereich (AM) ist (M) zu drücken.
- Die Empfindlichkeit stellt sich auf LOC für Ortsempfang zurück.

VF-Taste (VF)

- Zum Umschalten auf Verkehrsfunk-Betrieb.
- Beim Empfang von Stereoprogrammen leuchtet die Stereo-Anzeige.
- Die Empfindlichkeit stellt sich auf LOC für Ortsempfang zurück.
- Falls der eingestellte Sender kein Verkehrsfunksender ist, startet automatisch der Suchlauf.

CD/RADIO-Wahlschalter (CD/R)

- Zum Umschalten auf CD-Wiedergabe bei eingesetzter CD. (Die Taste arbeitet nur, wenn eine CD eingesetzt ist. Falls keine CD eingesetzt ist, wird die Betätigung ignoriert.)

UP/DOWN-Abstimmtasten

- Wenn Taste ▷ oder ◁ (▷: aufwärts, ◁ : abwärts) innerhalb von 2 Sekunden freigegeben wird, erhöht bzw. vermindert sich die eingestellte Frequenz um 1.
- Wenn Taste ▷ oder ◁ (▷: aufwärts, ◁ : abwärts) eine Sekunde oder länger gedrückt gehalten wird, erfolgt schneller Vor- bzw. Rücklauf bis zum Freigeben der Taste. Während dieser Zeit ist die Stummschaltung wirksam. Auf Loslassen der Taste stoppt der Durchgang und das Gerät schaltet sich auf normalen Empfang.

RDS-Taste (RDS)

- Zum Ein- bzw. Ausschalten der RDS-Funktion die Taste kurz drücken (nicht länger als 2 Sekunden).
- Die RDS-Anzeige zeigt an, ob das Gerät auf RDS-Betrieb geschaltet ist.
- Wird die Taste länger als zwei Sekunden gedrückt gehalten, schaltet sich REG ein bzw. aus.

DX-Taste (DX)

- Zum Umschalten zwischen Orts- und Fernempfang.
- Bei Fernempfang (DX) leuchtet die DX-Anzeige.
- Für Ortsempfang (LOC) erfolgt keine Anzeige.

CD-BETRIEB

CD-Schacht

- Die CD mit der Etikettseite nach oben einsetzen und leicht andrücken, bis diese von der Mechanik übernommen wird. Die Wiedergabe beginnt automatisch mit Titel Nr. 1.

  Im LCD-Display erscheint die Titelnummer "1" und die Spielzeitanzeige.
- Bei Security-Betrieb, während des Warntons (WT) bei Verkehrsdurchsagen wird die CD lediglich geladen.

Hinweis :

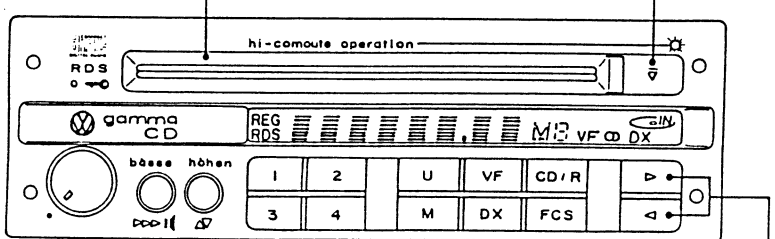
- Wenn die CD mit der Etikettseite nach unten eingelegt wird, wirft das Gerät sie automatisch wieder aus.
- Nicht zwei CDs gleichzeitig einlegen, da diese anderenfalls beschädigt werden.

Auswurftaste (EJECT)

- Durch Drücken der Auswurftaste wird die CD so weit vorgeschoben, daß sie entnommen werden kann. Im LCD-Display erscheint daraufhin die Empfangsfrequenz des Radios.

Hinweis :

- Wenn die CD nicht innerhalb von 30 Sekunden nach dem Auswerfen entnommen wird, zieht das Gerät sie automatisch wieder ein (ohne Umschaltung auf CD-Betrieb).



Sprungtasten (▷ aufwärts, ◁ abwärts)

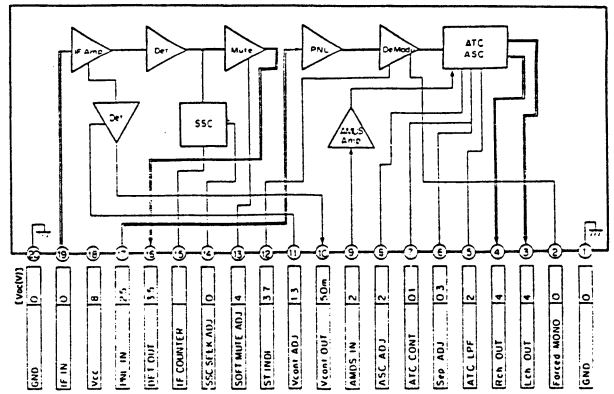
- Wenn die gedrückte Sprungtaste (▷ oder ◁) innerhalb von zwei Sekunden freigegeben wird, sucht das Gerät den nächsten Titel in der gewählten Richtung und zeigt dessen Titelnummer an.
- Während des Sprungbetriebs ertönt ein Piepton.

FF/REW (▷ für Vorlauf, ◁ für Rücklauf)

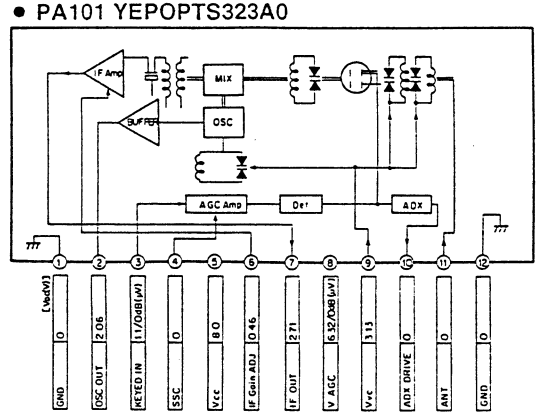
- Wenn Taste ▷ oder ◁ länger als zwei Sekunden niedergehalten wird, laufen die Titel automatisch der Reihe nach durch.

PACKAGE BLOCK DIAGRAM

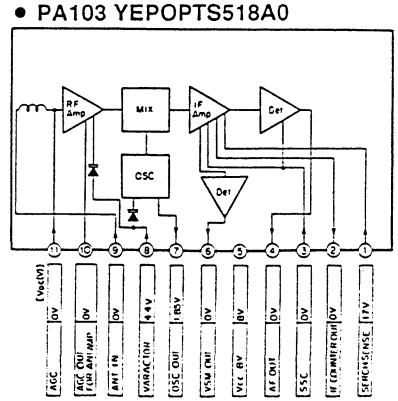
- PA102 YEPOPTS333A0



- PA101 YEPOPTS323A0

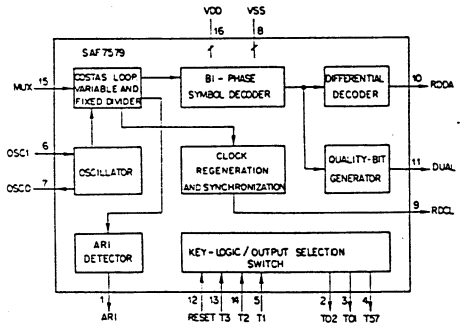


- PA103 YEPOPTS518A0

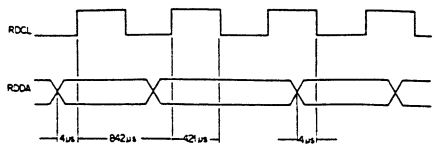


IC BLOCK DIAGRAM

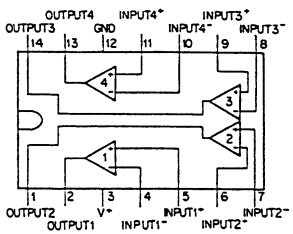
• IC103 YEAMSAF7579T



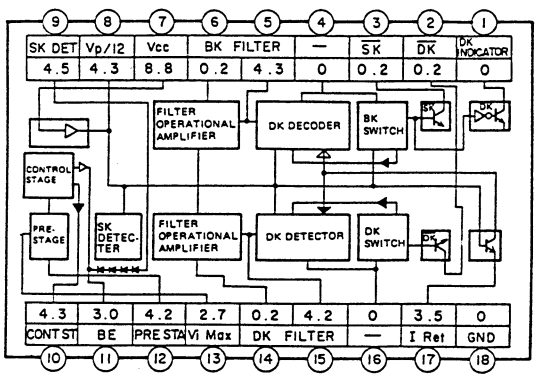
• TIMING CHART (YEAMSAF7579T)



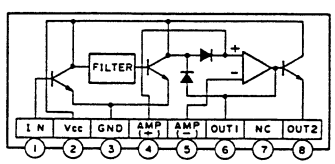
• IC102 YEAML2901M



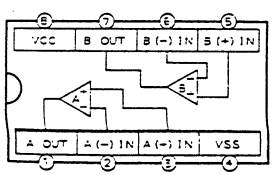
• IC104 YEAMFDA1579T



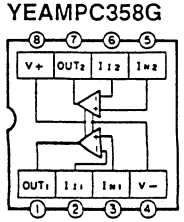
• IC108 YEAMHL23S



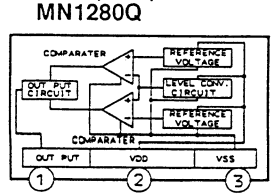
• IC201, 302, 801, 810 YEAMPC4570T1
• IC687 AN6552S
• IC804 YEAMJM2904M



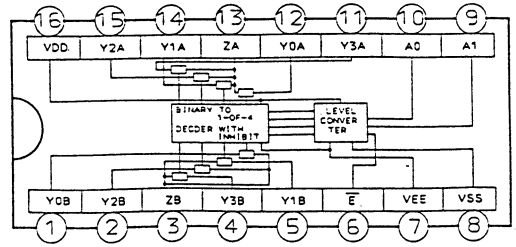
• IC204 YEAMPC358G



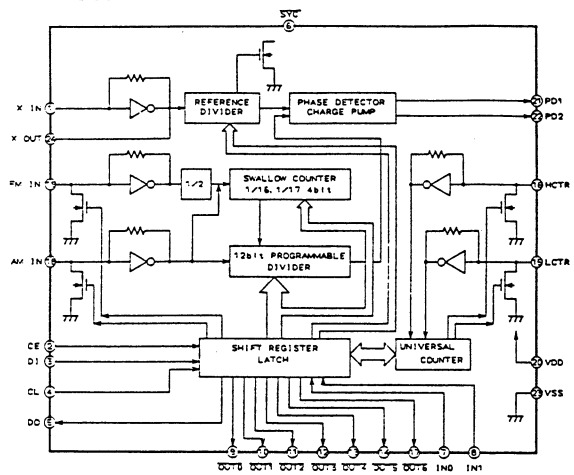
• IC109, 602, 702 MN1280Q



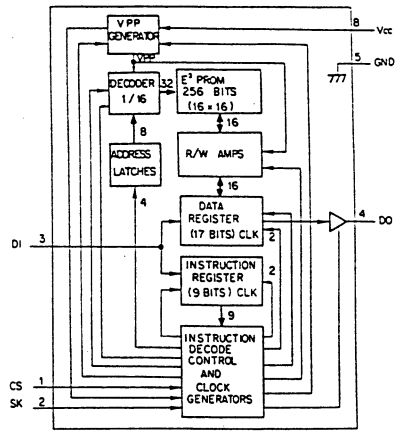
• IC205 YEAMPD4052BG



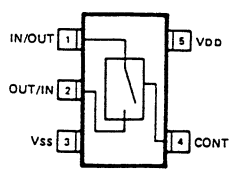
• IC604 YEAMLC7218M



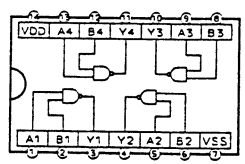
• IC607 YEAMSM161907



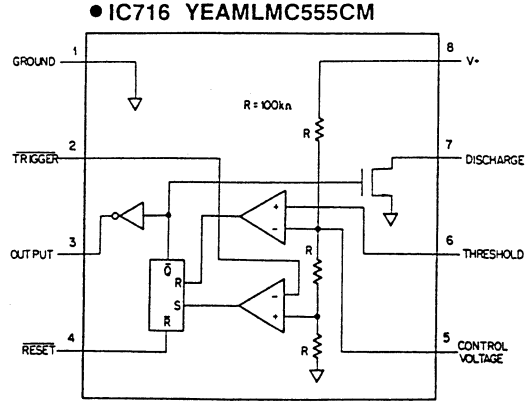
• IC606, 814, 817 YEAMTC4S66FL
• IC613, 823 YEAMTC4S66FR



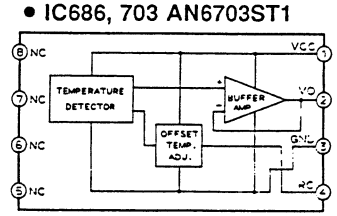
• IC611 YEAMPD4001BG
• IC821 YEAMPD4011BG



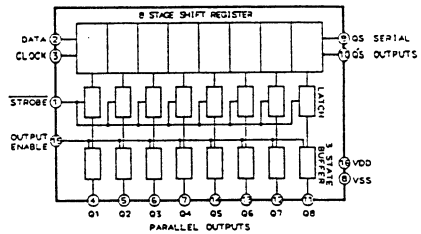
• IC716 YEAMLMC555CM



• IC686, 703 AN6703ST1



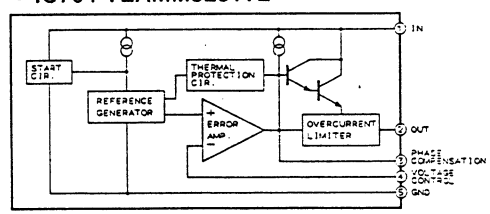
• IC603 YEAMPD4094BG



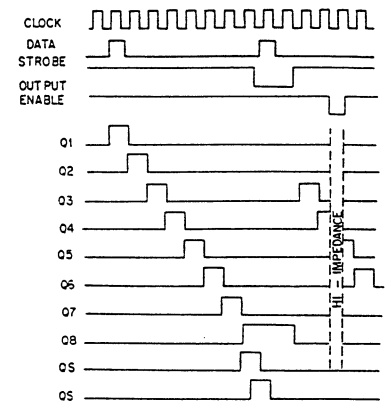
• TRUTH VALUE TABLE (YEAMPD4094BG)

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUT		SERIA OUTPUT	
				Q1	Q_{n}	Q_S	Q'_S
⌐	L	X	X	High Impedance	High Impedance	Q7	No CHANGE
⌐	L	X	X	High Impedance	High Impedance	No CHANGE	Q8
⌐	H	L	X	No CHANGE	No CHANGE	Q7	No CHANGE
⌐	H	H	L	L	Q_{n-1}	Q7	No CHANGE
⌐	H	H	H	H	Q_{n-1}	Q7	No CHANGE
⌐	H	H	H	No CHANGE	No CHANGE	No CHANGE	Q8

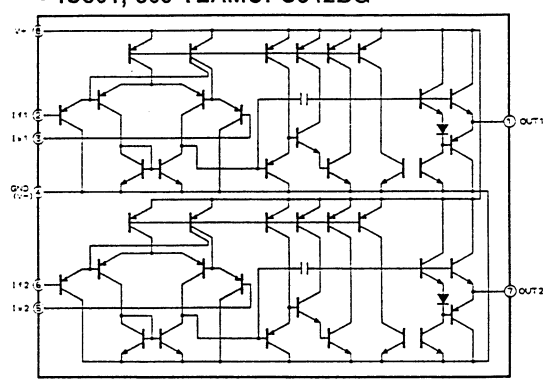
• IC704 YEAMM5231TL



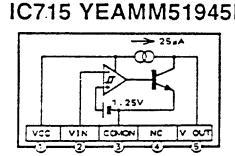
• TIMING CHART (YEAMPD4094BG)



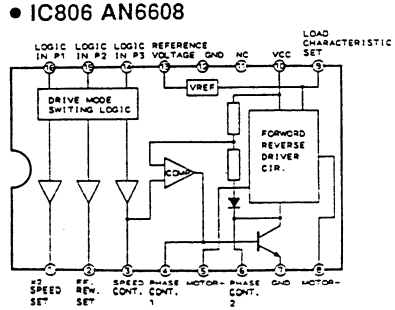
• IC801, 805 YEAMUPC842BG



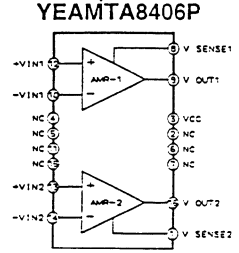
• IC706 YEAMM51945AF
• IC715 YEAMM51945BF



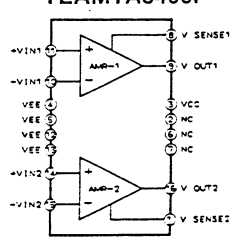
• IC806 AN6608



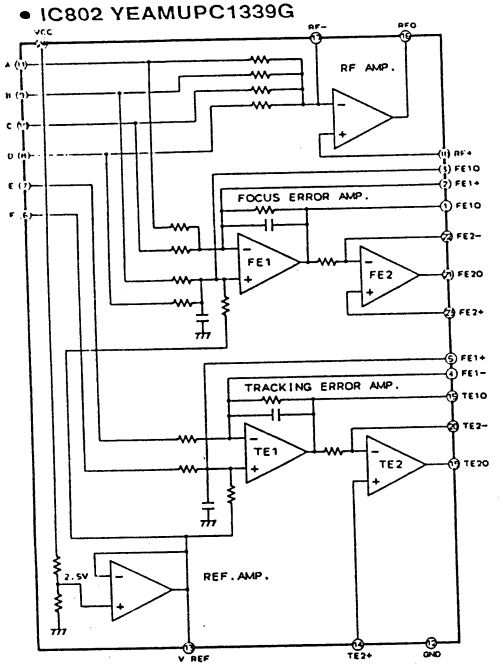
• IC808, 811 YEAMTA8406P



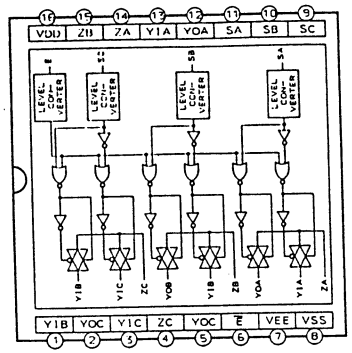
• IC809, 812 YEAMTA8406F



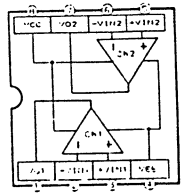
• IC802 YEAMUPC1339G



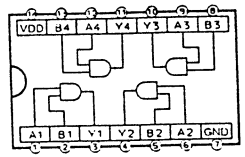
• IC803, 815 YEAMPD4053BG



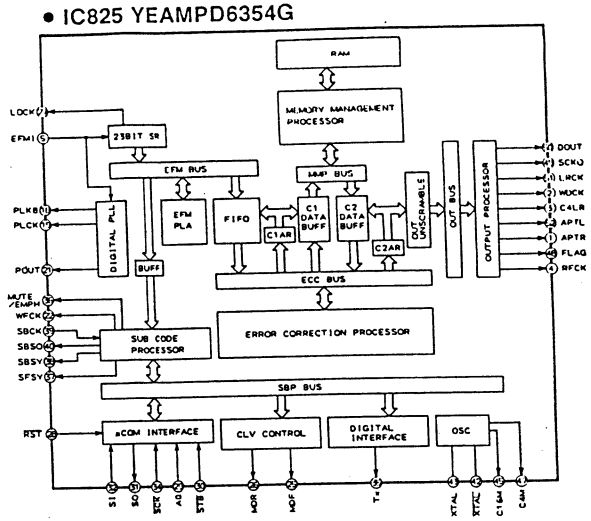
• IC818 AN1393ST1



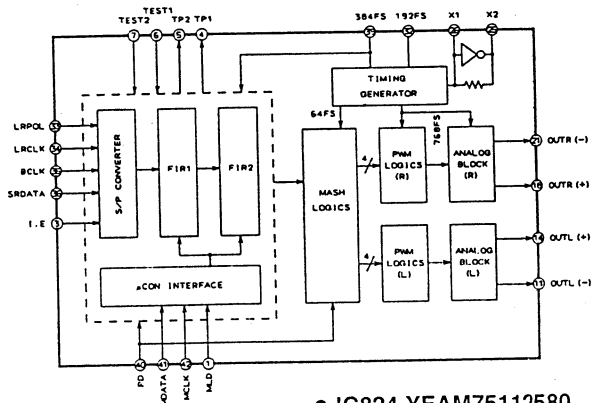
• IC819 YEAMPD4081BG



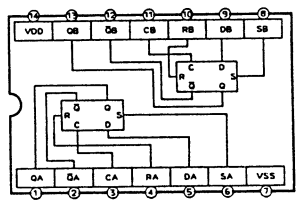
• IC825 YEAMPD6354G



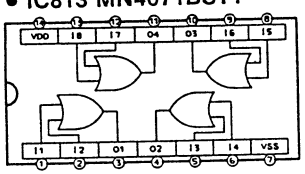
• IC826 MN6471



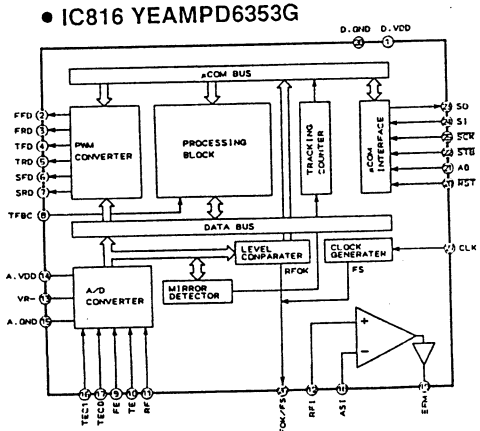
• IC820 YEAMPD4013BG



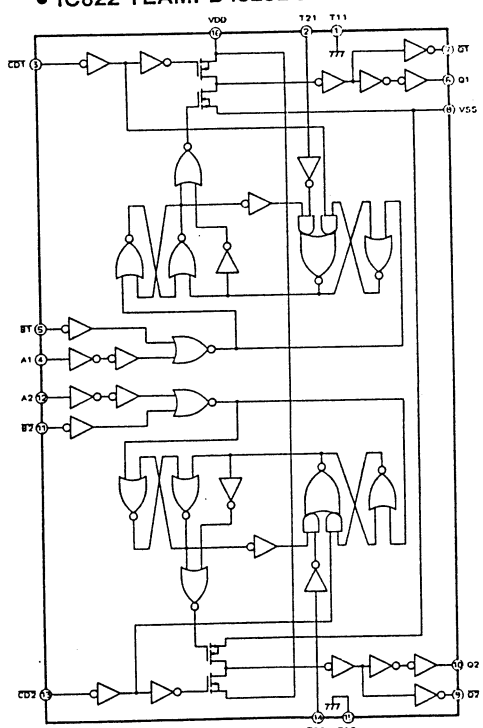
• IC813 MN4071BST1



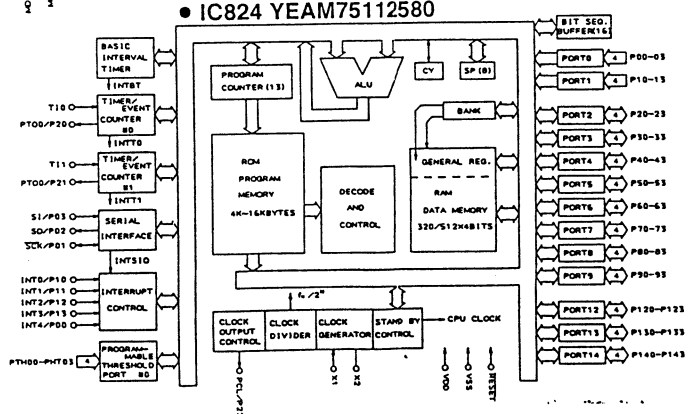
• IC816 YEAMPD6353G



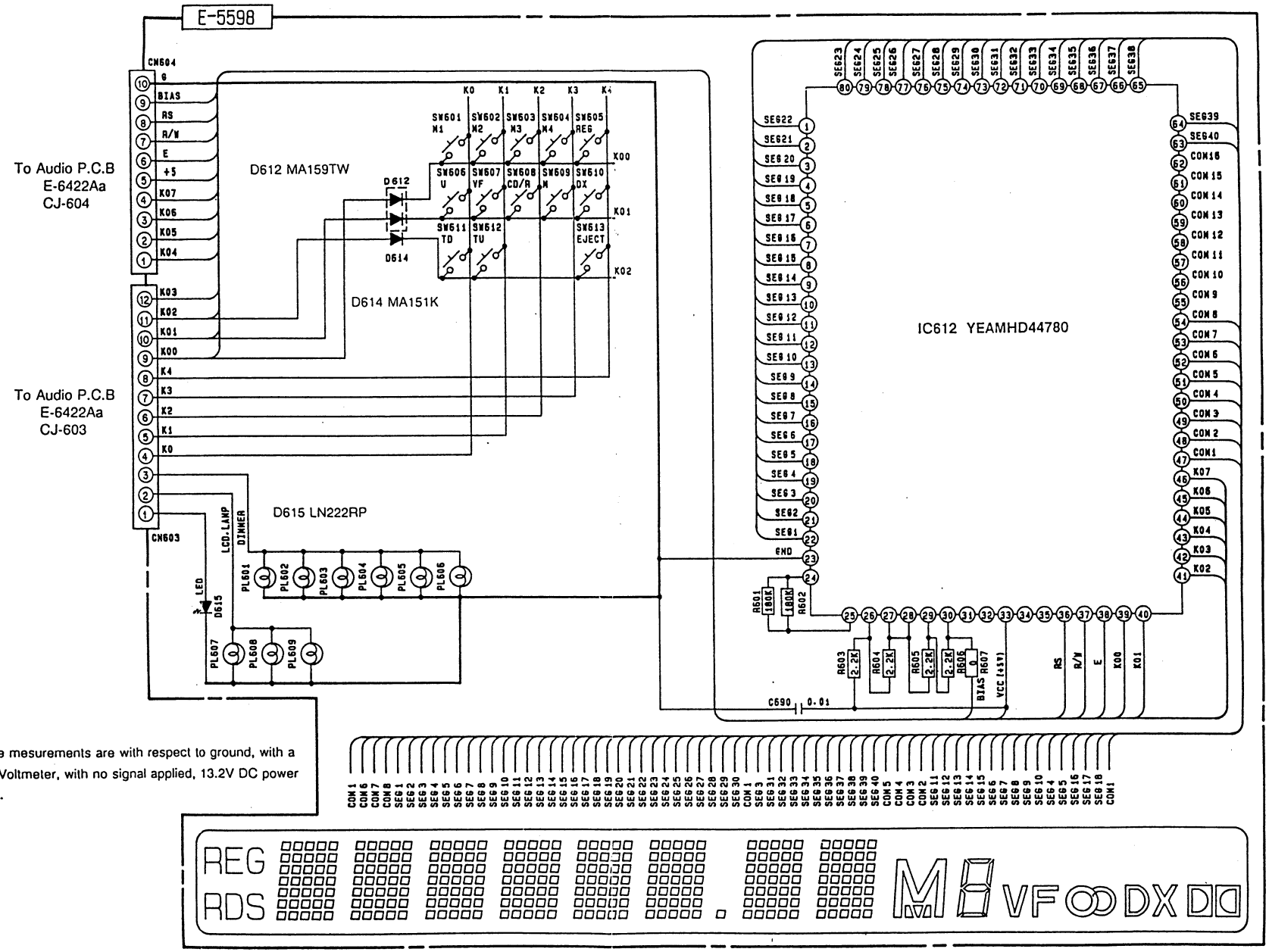
• IC822 YEAMPD4528BG



• IC824 YEAM75112580



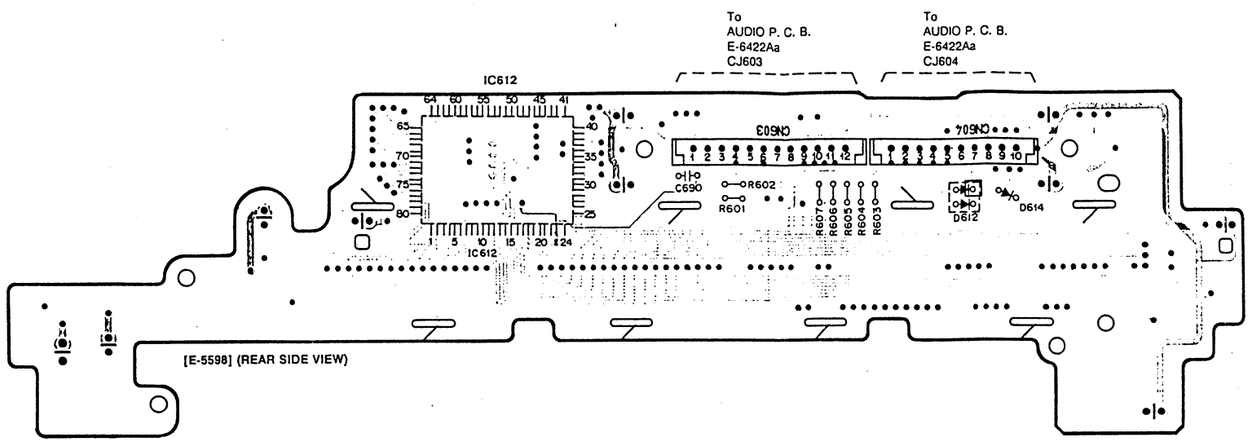
SCHEMATIC DIAGRAM/SCHALTBILT MODEL CQ-JV1020L (LCD BLOCK)



■ NOTES

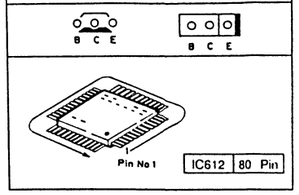
1) Voltage mesurements are with respect to ground, with a digital Voltmeter, with no signal applied, 13.2V DC power supply.

WIRING DIAGRAM/VERDHATUNG MODEL CQ-JV1020L (LCD BLOCK)

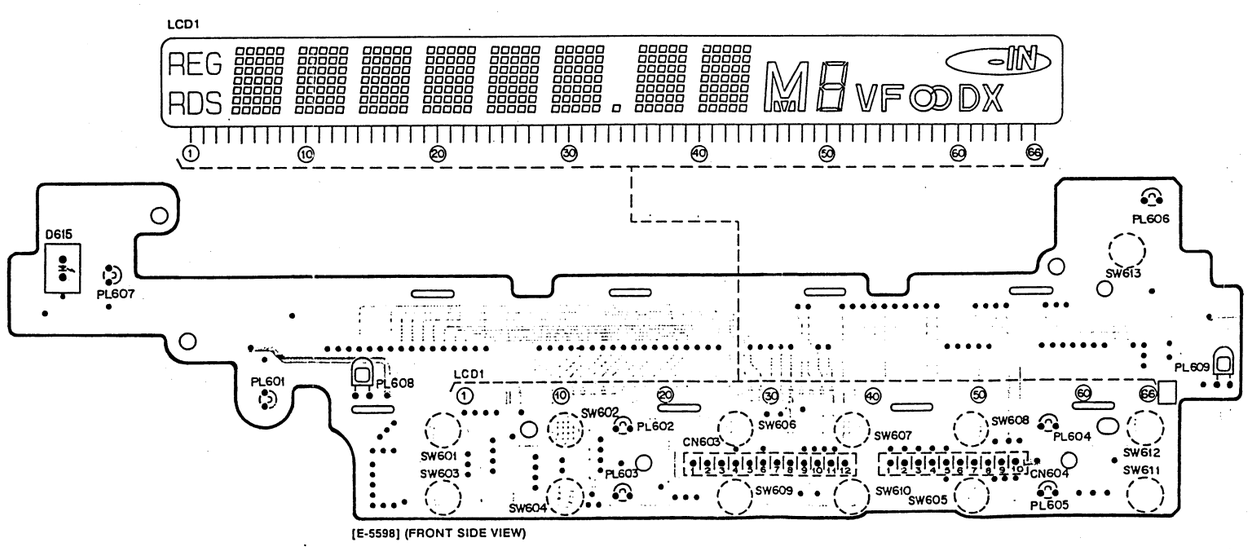


[E-5598] (REAR SIDE VIEW)

IC & TRANSISTORS



: INTERMEDIATE PATTERN

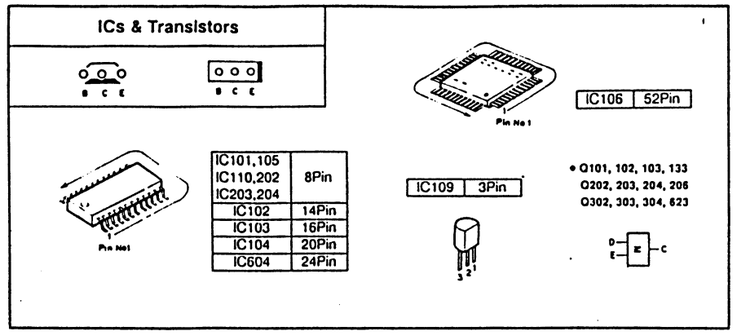


[E-5598] (FRONT SIDE VIEW)

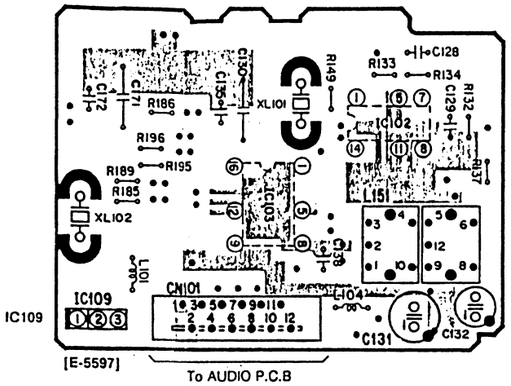
: INTERMEDIATE PATTERN

SW601 : PRESET STATION SELECTOR BUTTON (1)
SW602 : PRESET STATION SELECTOR BUTTON (2)
SW603 : PRESET STATION SELECTOR BUTTON (3)
SW604 : PRESET STATION SELECTOR BUTTON (4)
SW605 : DX BUTTON (DX)
SW606 : BAND SELECTOR (U)
SW607 : VF BUTTON (VF)
SW608 : CD / RADIO SELECTOR SWITCH (CD / R)
SW609 : BAND SELECTOR (M)
SW610 : DX BUTTON (DX)
SW611 : RADIO TUNING DOWN BUTTON (◄)
CD TRUCK DOWN BUTTON (◄)
SW612 : RADIO TUNING UP BUTTON (►)
CD TRUCK UP BUTTON (►)
SW613 : EJECT BUTTON

WIRING DIAGRAM/VERDHATUNG MODEL CQ-JV1020L (RADIO BLOCK)

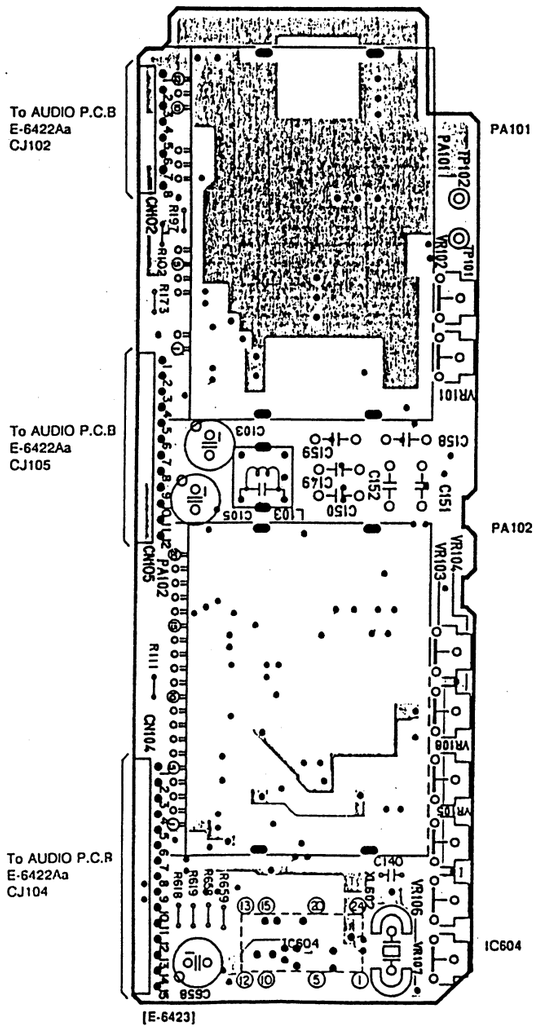


IC109	
1	4.9V
2	4.9V
3	0V

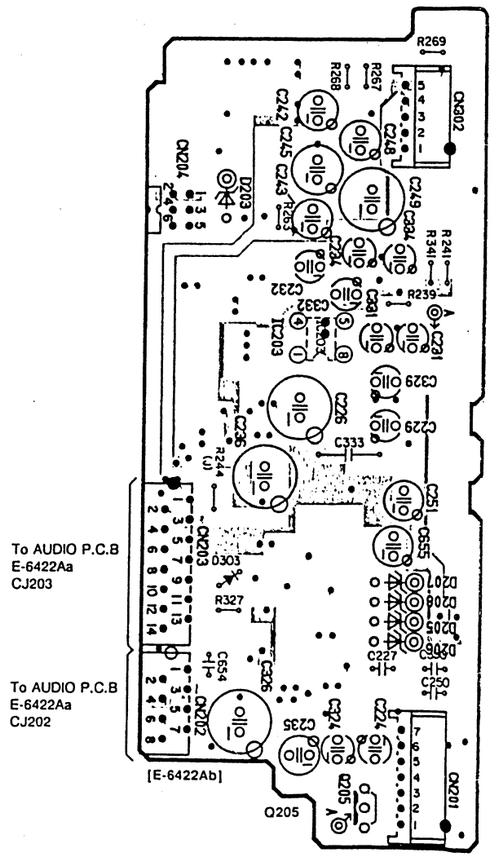


IC102			
1	2.5V	8	0V
2	0V	9	0V
3	4.9V	10	0V
4	0V	11	0V
5	0V	12	0V
6	1.8V	13	0V
7	1.5V	14	0V

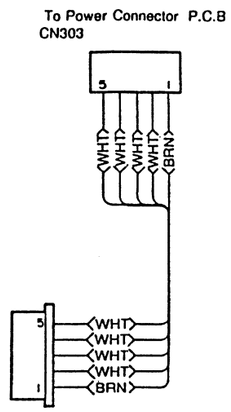
IC103			
1	0V	9	2.4V
2	3.1V	10	0.9V
3	0V	11	0.3V
4	2.4V	12	0V
5	0V	13	0V
6	2.2V	14	0V
7	2.4V	15	2.4V
8	0V	16	4.9V

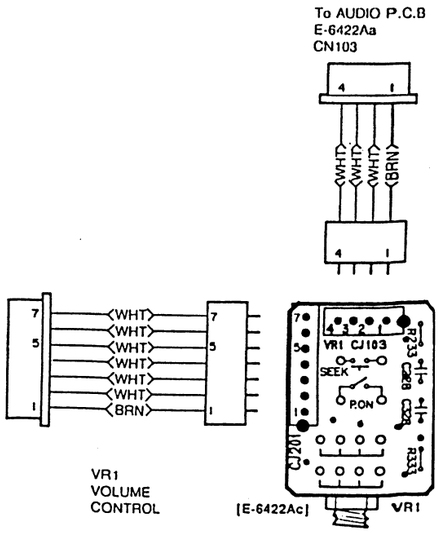


IC604			
1	0.9V	13	0.2V
2	0V	14	0V
3	0V	15	0V
4	0V	16	0V
5	0V	17	0V
6	0V	18	0V
7	0V	19	1.4V
8	0V	20	0V
9	1.9V	21	0.7V
10	4.7V	22	2.3V
11	0V	23	0V
12	0.7V	24	2.4V



IC203			
1	6.4V		
2	6.4V		
3	0V		
4	0V		
5	4.8V		
6	6.5V		
7	0V		
8	13.0V		





WIRING DIAGRAM/VERDHATUNG MODEL CQ-JV1020L (AUDIO BLOCK)

Q301	
B	0V
C	0V
E	0V

Q714	
B	4.5V
C	0V
E	5.1V

Q722	
B	4.5V
C	0V
E	5.1V

Q808	
B	9.4V
C	4.1V
E	9.4V

Q809	
B	0V
C	9.4V
E	0V

Q810	
B	0V
C	4.1V
E	0V

Q817	
B	4.3V
C	0V
E	0V

Q825	
B	0V
C	0V
E	0V

IC301	
1	4.3V
2	4.3V
3	3.3V
4	0V
5	3.3V
6	4.3V
7	4.3V
8	7.6V

IC314	
1	1.8V
2	4.7V
3	0V
4	0V
5	9.4V

Q107	
B	0V
C	7.6V
E	0V

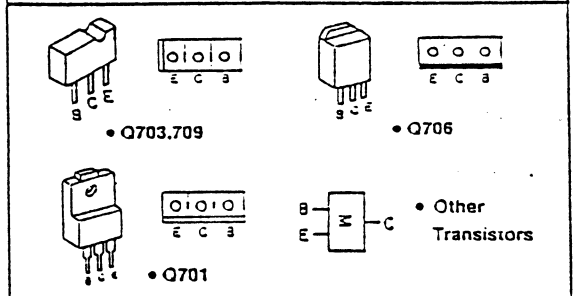
Q108	
B	7.5V
C	0V
E	7.7V

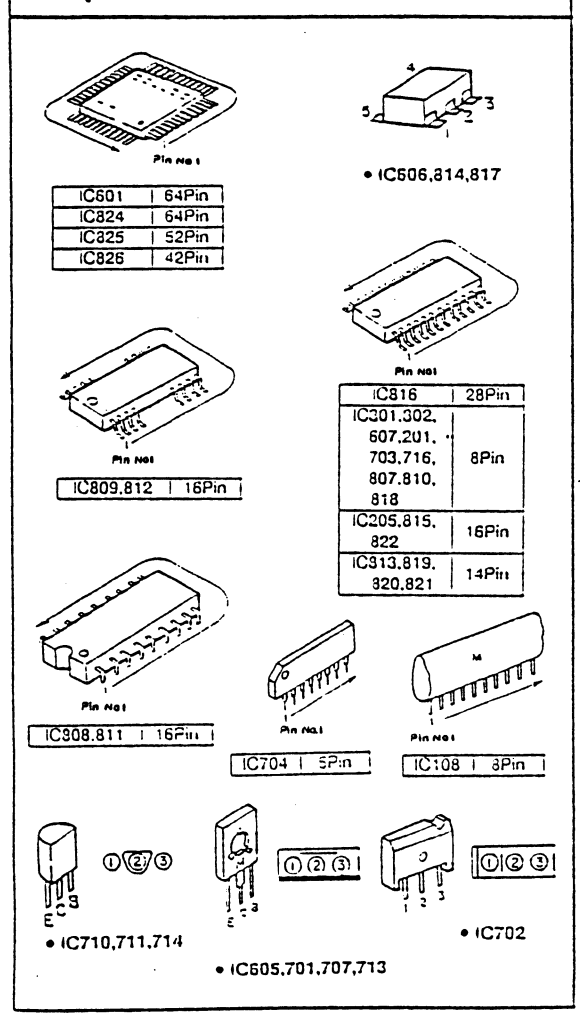
Q109	
B	0V
C	7.5V
E	7.6V

Q110	
B	0.6V
C	0.1V
E	0V

Q201	
B	0V
C	0V
E	0V

ICs & Transistors





To RDS P.C.B
E-5597a CN101

To TUNER P.C.B
E-6423 CN102

To CD P.C.B
E-5596Aa CN701

To TUNER P.C.B
E-6423 CN105

To TUNER P.C.B
E-6423 CN104

To CCD P.C.B
E-5596Aa CN702

To ESC P.C.B
E-5598 CN604

To ESC P.C.B
E-5598 CN603

To CD P.C.B
E-5596Aa CN704

To CD DECK
22P FLEXIBL

To CD P.C.B
E-5596Aa CN703

IC605	
1	14.1V
2	0V
3	4.9V

IC702	
1	4.4V
2	4.4V
3	0V

IC713	
1	14.1V
2	0V
3	4.9V

IC108	
1	1.1V
2	7.6V
3	0V
4	0.6V
5	1.6V
6	0V
7	0V
8	0.9V

IC607	
1	0V
2	0V
3	0V
4	0V
5	0V
6	0V
7	0V
8	4.9V

IC811			
1	4.8V	9	4.8V
2	0V	10	4.8V
3	9.4V	11	4.1V
4	0V	12	0V
5	0V	13	0V
6	9.4V	14	4.1V
7	0V	15	4.8V
8	4.8V	16	0V

Q111	
B	0V
C	4.8V
E	0V

Q305	
B	0V
C	6.4V
E	0V

Q306	
B	6.4V
C	0V
E	0V

Q601	
B	4.2V
C	0V
E	0V

Q603	
B	1.8V
C	0V
E	0V

Q604	
B	0V
C	0V
E	0V

Q605	
B	0V
C	0V
E	0V

Q622	
B	4.9V
C	0.2V
E	0V

Q308	
B	0V
C	0V
E	0V

Q616	
G	2.3V
D	0V
S	0.9V

Q617	
B	2.5V
C	9.6V
E	1.9V

Q702	
B	0V
C	9.1V
E	0V

Q703	
B	9.2V
C	0V
E	9.4V

Q803	
B	9.2V
C	0V
E	9.4V

Q804	
B	0V
C	0V
E	0V

Q805	
B	0.7V
C	0.2V
E	0V

Q806	
B	8.5V
C	9.2V
E	9.4V

Q807	
B	0.7V
C	0.1V
E	0V

Q105	
	0V
	2.6V
	0V

Q106	
B	2.6V
C	0V
E	0V

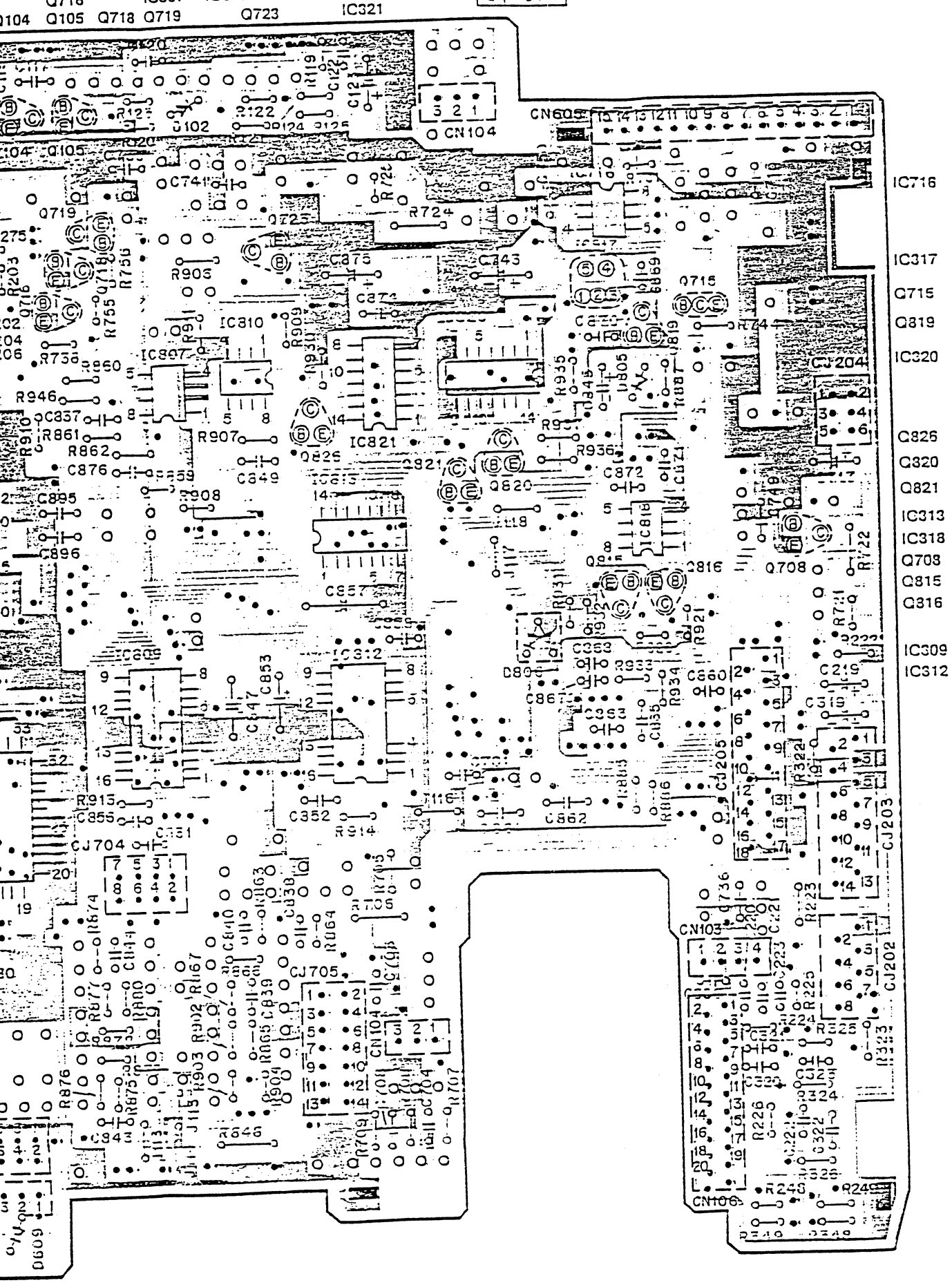
Q716	
B	0.5V
C	0V
E	0V

Q718	
B	7.5V
C	0V
E	0V

Q719	
B	4.2V
C	4.9V
E	5.0V

Q723	
B	0V
C	0.5V
E	0V

Q826	
B	0V
C	0V
E	5V



IC813			
1	0V	8	0V
2	4.4V	9	0V
3	4.7V	10	0V
4	4.7V	11	0V
5	0V	12	0V
6	4.4V	13	0V
7	0V	14	5.0V

IC818	
1	0V
2	0.4V
3	0.4V
4	0V
5	0.4V
6	0.4V
7	0V
8	9.4V

Q708	
B	0.7V
C	0.1V
E	0V

Q819	
B	7.4V
C	0V
E	0V

Q715	
B	13.2V
C	14.0V
E	14.0V

Q820	
B	0V
C	8.6V
E	0V

Q815	
B	0V
C	9.4V
E	0V

Q821	
B	0V
C	9.4V
E	0V

Q816	
B	0V
C	4.7V
E	0V

IC201			
1	3.9V		
2	3.9V		
3	3.4V		
4	0V		
5	3.8V		
6	3.9V		
7	3.9V		
8	7.6V		

IC205			
1	3.7V	9	4.9V
2	3.2V	10	0V
3	3.2V	11	0V
4	0V	12	3.7V
5	0V	13	3.2V
6	0V	14	0V
7	0V	15	3.2V
8	0V	16	7.8V

IC807	
1	8.5V
2	0V
3	0V
4	0V
5	2.9V
6	4.8V
7	4.8V
8	9.4V

IC810	
1	4.8V
2	4.8V
3	4.7V
4	0V
5	3.9V
6	4.8V
7	5.0V
8	9.4V

IC817	
1	0V
2	0V
3	0V
4	9.4V
5	9.4V

IC809			
1	4.8V	9	4.8V
2	0V	10	4.8V
3	9.4V	11	0V
4	0V	12	4.1V
5	0V	13	4.6V
6	9.4V	14	4.8V
7	0V	15	0V
8	4.8V	16	4.8V

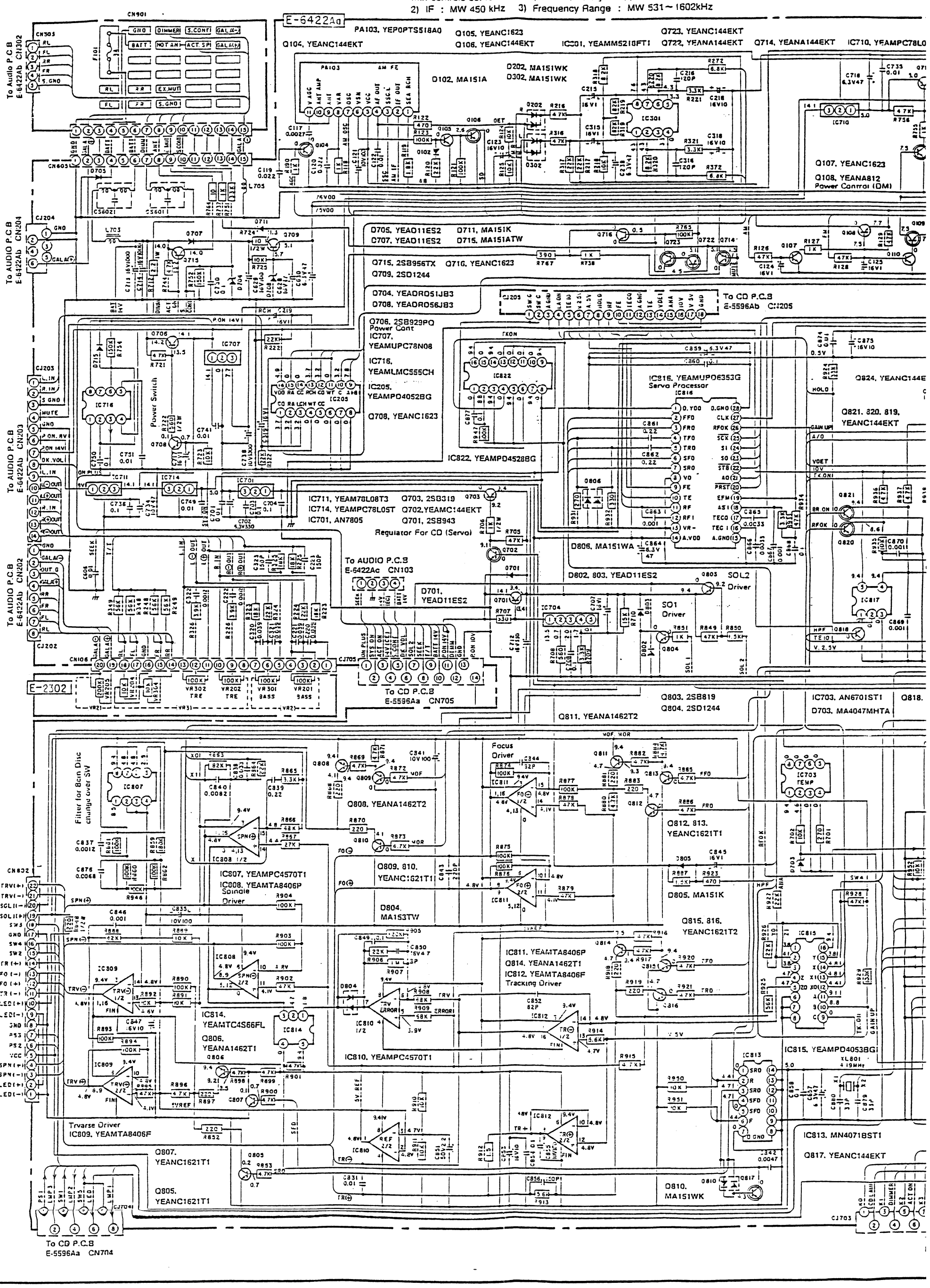
IC812			
1	4.8V	9	4.8V
2	0V	10	4.8V
3	9.4V	11	0V
4	0V	12	4.8V
5	0V	13	4.7V
6	9.4V	14	4.8V
7	0V	15	0V
8	4.8V	16	4.8V

IC821			
1	0V	8	0V
2	0V	9	0V
3	0V	10	0V
4	0V	11	0V
5	0V	12	0V
6	0V	13	0V
7	0V	14	0V

IC820			
1	9.4V	8	0V
2	0V	9	0V
3	0V	10	0V
4	0V	11	0V
5	9.4V	12	0V
6	9.4V	13	9.4V
7	0V	14	9.4V

SCHEMATIC DIAGRAM/SCHALTBILT MODEL CQ-JV1020L (AUDIO BLOCK)

NOTES : 1) Voltage mesurements are with respect to ground, with a digital voltmeter, with controls set for norma operation, no signal applied, 14.4V DC power supply.
2) IF : MW 450 kHz 3) Frequency Range : MW 531～1602kHz



• Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.

To RDS P.C.B
E-5597a CN101

EANA144EKT IC710, YEAMPC78L05T

Low Pass Filter (AM)

Q719 YEANA812
Q718, YEANC144EKT

Q107, YEANC1623
Q108, YEANA812
Power Control (DM)

Power Control (FM)
Q109, YEANHQ1F3PT2
Q110, YEANC1623

Q826, YEANA144EKT
Q825, YEANA144EKT IC821, YEAMPD4011BG

D809, MA151A

Q824, YEANC144EKT

Q821, 820, 819,
YEANC144EKT

IC819, YEAMPD4081BG
IC820, YEAMPD4013BG
IC818, AN1393ST1
IC817, YEAMTC4S66FL

Q308, YEANC1623
Q615, YEAN2SK536
Q616, YEAN2SK53G

Q305, 306, YEANC144EKT
Q301, 201, YEANC1623
D201, MA159TX
IC201, 302, YEAMPC4570T1

IC606, YEAMTC4S66FU
Low Pass Filter (FM)
Q617, YEANC144EKT

Emphasis
Low Pass Filter

CNTD. +5V
CNTD. GND
CLK 16.9344MHz

Signal
Processor
IC825 YEAMUPD6354G

D/A
Converter
IC826 MN6471

D712, MA151WA D603, MA721K

IC108, YEAMHL23S

IC703, AN6701ST1 Q818, YEANA812
D703, MA4047MHTA D710, MA151K
IC702, MN1280Q
Q622, YEANC144EKT

Q601,
YEANFN3L4ZT2

System Control
CPU
IC601 YEAM78214522

CD Control
CPU
IC824
YEAM75112580

IC815, YEAMPD4053BG

Q602, 603,
YEANFN3L4ZT2
IC713, AN78N05

IC605, AN78N05 Q111, YEANC144EKT
IC607, YEAMSM161907

IC813, MN4071BST1
Q817, YEANC144EKT

D609, MA151K
D610,611, MA159TW
Q604, 605, YEANFA3L4ZT1

Q606,
YEANFN3L4ZT1

To CD P.C.B
E-5596Aa CN703

To ESC P.C.B
E-5598 CN603

To ESC P.C.B
E-5598 CN604

To CCD P.C.B
E-5596Aa CN702

To CD P.C.B
E-5596Aa CN701

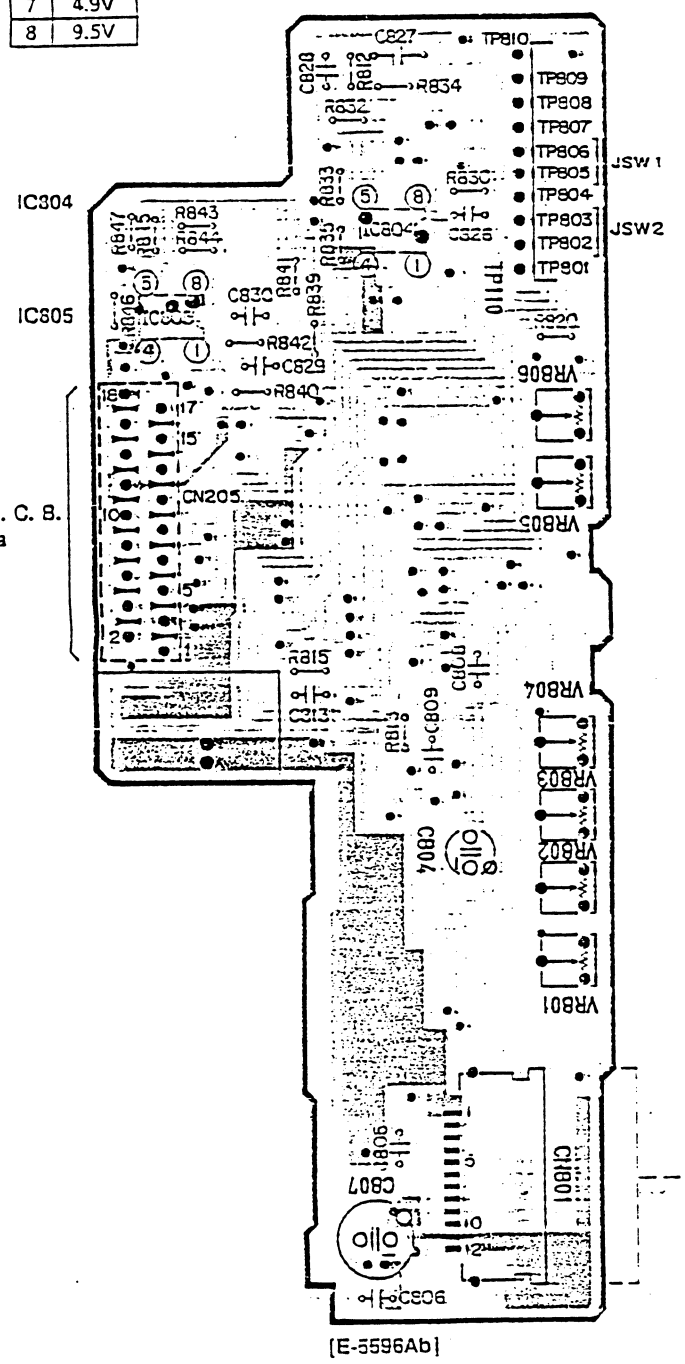
To TUNER P.C.B
E-6123 CN102

To TUNER P.C.B
E-6123 CN105

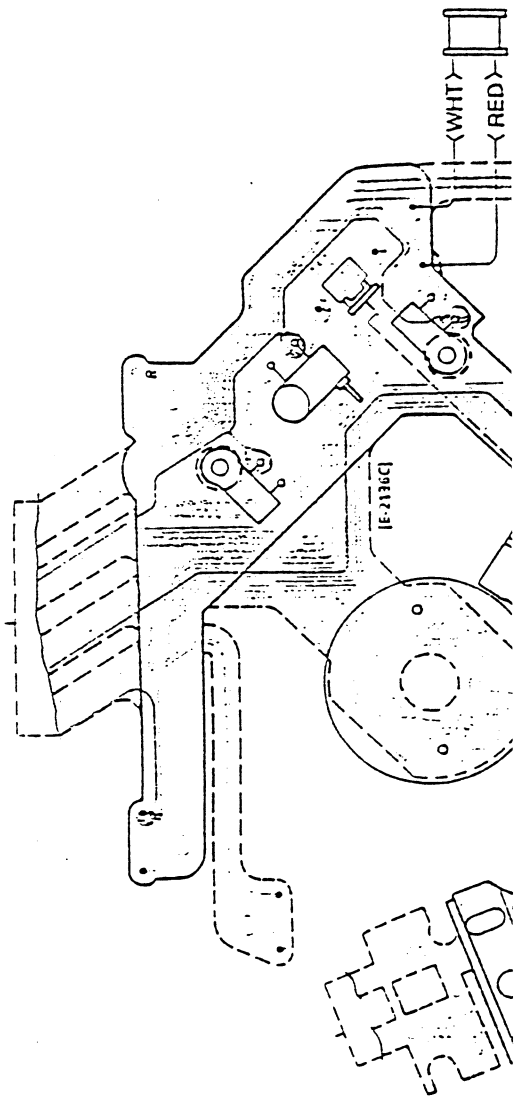
To TUNER P.C.B
E-6123 CN104

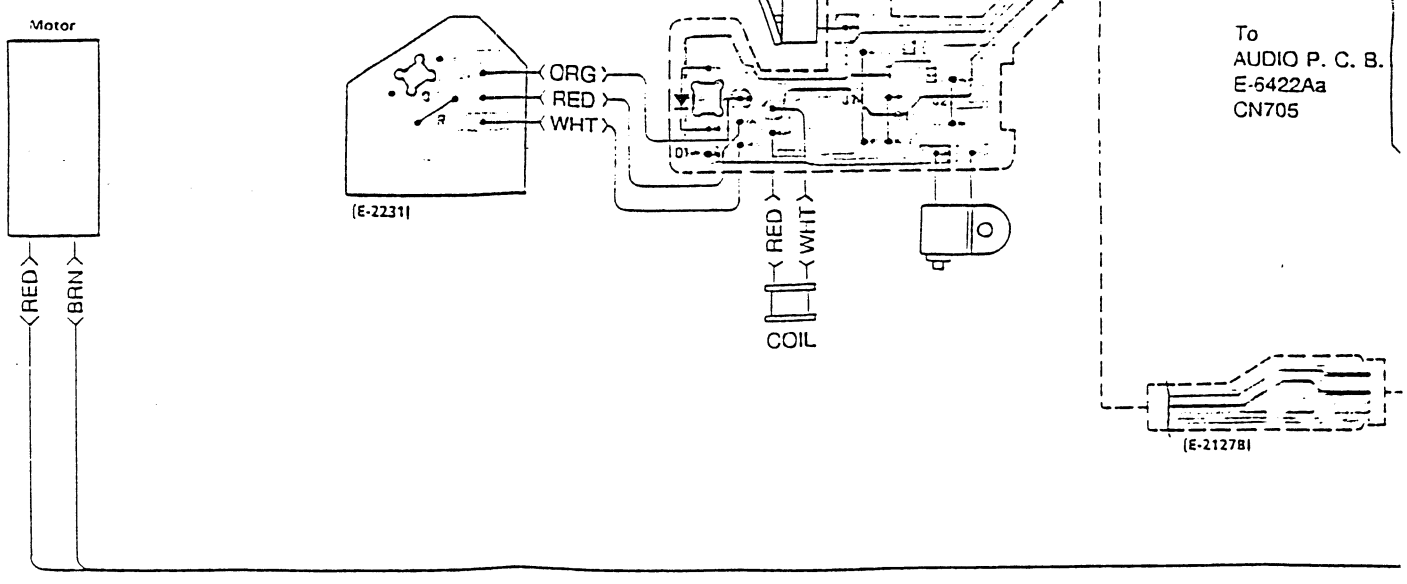
WIRING DIAGRAM/VERDHATUNG MODEL CQ-JV1020L (CD BLOCK)

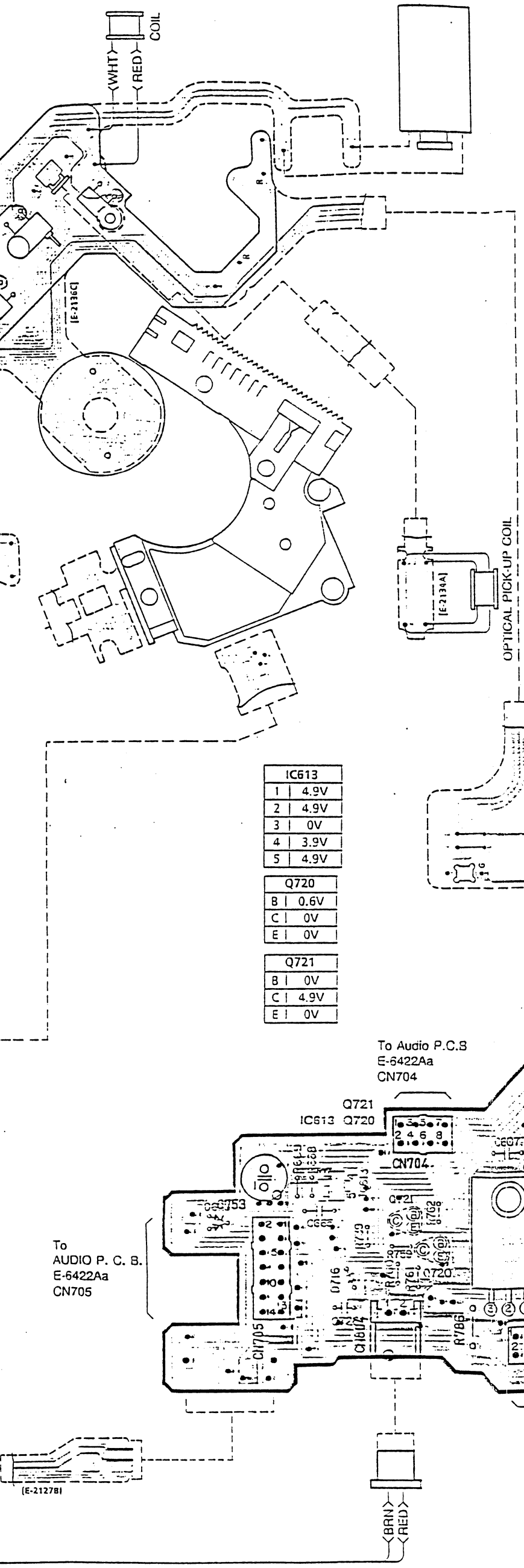
IC805	
1	2.4V
2	2.4V
3	2.2V
4	0V
5	3.0V
6	3.2V
7	4.9V
8	9.5V



IC804	
1	2.4V
2	2.4V
3	2.3V
4	0V
5	1.8V
6	1.4V
7	0V
8	4.9V







ICs & Transistors

B C E　B C E　B C E

•Q607, 608, 609, 610, 611, Q612, 613, 614, 623, 720, Q721, 801, 802

B C E

•IC613, 823

5 4

1 2 3

Pin No.1

IC705 | 3 Pin

Pin No.1

IC602 | 3 Pin

Pin No1

IC606 | 16 Pin

Pin No1

IC686, 687 IC706, 709 IC715, 801 IC804, 805	8 Pin
IC611	14 Pin
IC603, 803	16 Pin
IC802	24 Pin

IC613	
1	4.9V
2	4.9V
3	0V
4	3.9V
5	4.9V

Q720	
B	0.6V
C	0V
E	0V

Q721	
B	0V
C	4.9V
E	0V

Q607	
B	0V
C	0V
E	0V

Q608	
B	0V
C	0V
E	0V

Q609	
B	0V
C	0V
E	0V

IC686	
1	14.0V
2	8.6V
3	0V
4	0V
5	0V
6	0V
7	0V
8	0V

IC611			
1	0V	8	0V
2	0V	9	4.5V
3	4.9V	10	0V
4	0V	11	0V
5	4.9V	12	4.9V
6	4.9V	13	4.9V
7	0V	14	4.9V

IC602	
1	4.9V
2	4.9V
3	0V

IC705	
1	14.0V
2	0V
3	7.9V

IC806			
1	9.3V	9	9.4V
2	7.1V	10	9.4V
3	9.3V	11	9.4V
4	0.6V	12	0V
5	7.1V	13	8.1V
6	7.5V	14	0V
7	0V	15	0V
8	7.1V	16	0V

To Audio P.C.B
E-6422Aa
CN704

To
AUDIO P. C. B.
E-6422Aa
CN701

To
AUDIO P. C. B.
E-6422Aa
CN705

To
AUDIO P. C. B.
E-6422Aa
CN703

To
AUDIO P. C. B.
E-6422Aa
CN702

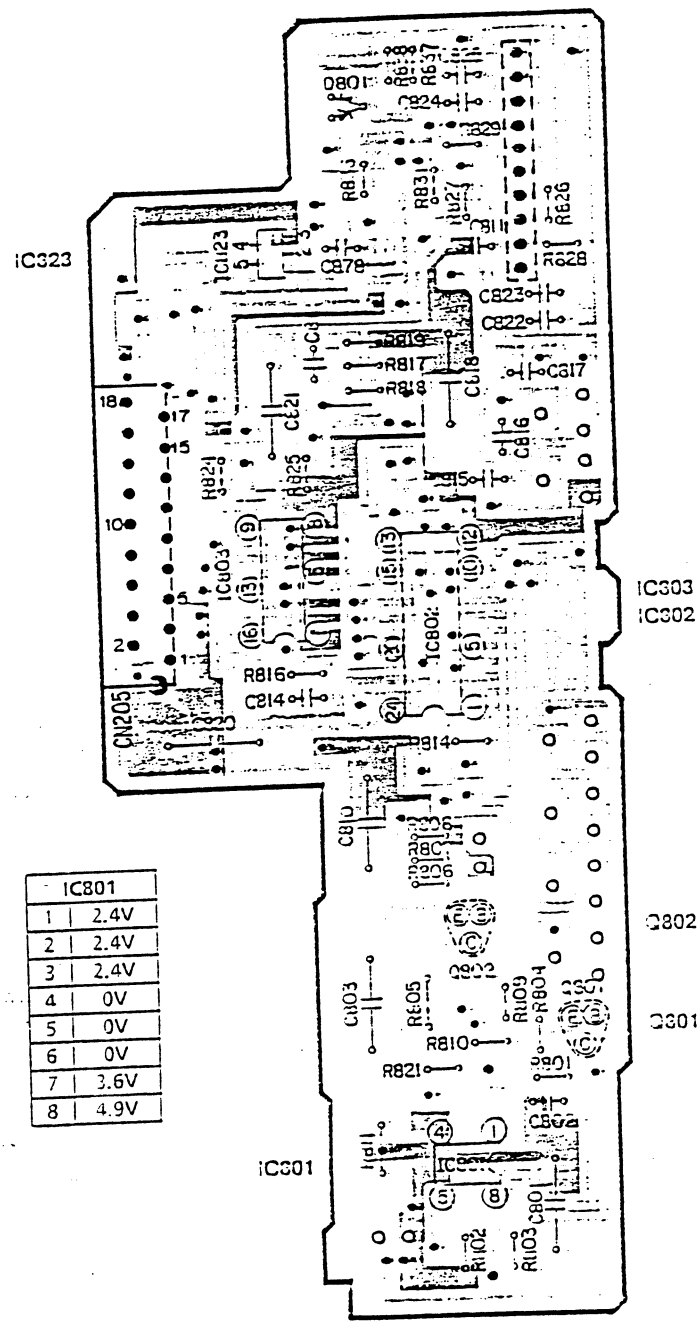
Q609
Q608 Q607
Q721
IC613 Q720
IC611
IC602
IC705
IC806

[E-5596Aa]

IC823	
1	0V
2	2.4V
3	0V
4	0V
5	9.5V

IC803			
1	0V	9	9.4V
2	0V	10	4.4V
3	0V	11	4.4V
4	0V	12	2.5V
5	0V	13	2.4V
6	0V	14	2.4V
7	0V	15	0V
8	0V	16	4.9V

IC802			
1	2.4V	13	2.4V
2	2.5V	14	2.4V
3	2.5V	15	2.4V
4	2.6V	16	2.4V
5	2.5V	17	2.5V
6	2.5V	18	2.5V
7	2.7V	19	2.5V
8	2.5V	20	2.4V
9	2.5V	21	2.4V
10	2.6V	22	2.4V
11	2.6V	23	2.4V
12	0V	24	4.9V



Q802	
B	4.7V
C	3.3V
E	4.9V

Q801	
B	3.3V
C	2.4V
E	4.9V

IC801	
1	2.4V
2	2.4V
3	2.4V
4	0V
5	0V
6	0V
7	3.6V
8	4.9V

IC603			
1	4.9V	9	0V
2	0.2V	10	0V
3	4.9V	11	0V
4	0V	12	0V
5	0V	13	0V
6	4.9V	14	4.9V
7	0V	15	4.9V
8	0V	16	4.9V

IC687	
1	0V
2	0.9V
3	0.9V
4	0V
5	0V
6	0V
7	0V
8	4.9V

IC709	
1	0V
2	9.8V
3	0V
4	13.0V
5	0V
6	0V
7	13.8V
8	0V

Q623	
B	0V
C	4.9V
E	0V

IC706	
1	0V
2	2.1V
3	0V
4	0V
5	0V
6	4.8V
7	4.9V
8	0V

IC715	
1	0V
2	2.1V
3	0V
4	0V
5	0V
6	3.8V
7	4.9V
8	0V

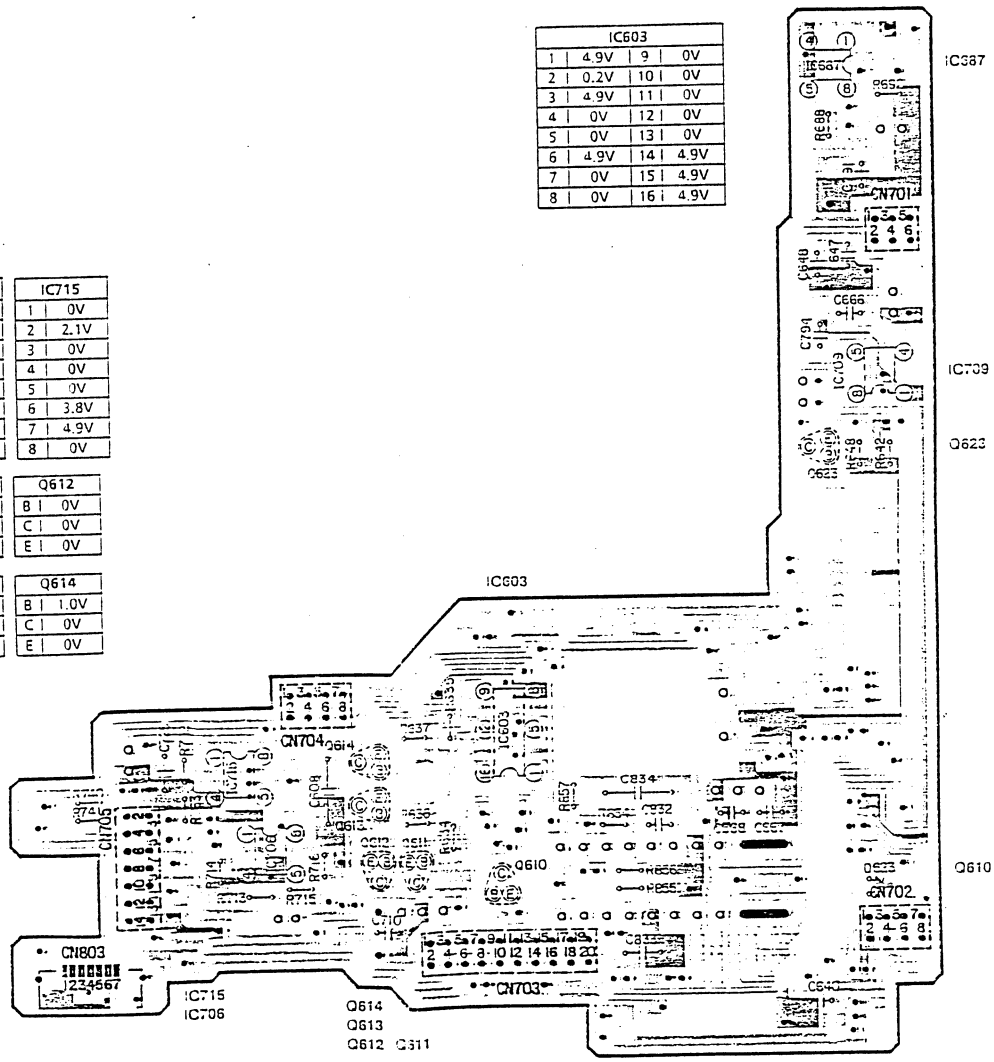
Q611	
B	0V
C	0V
E	0V

Q612	
B	0V
C	0V
E	0V

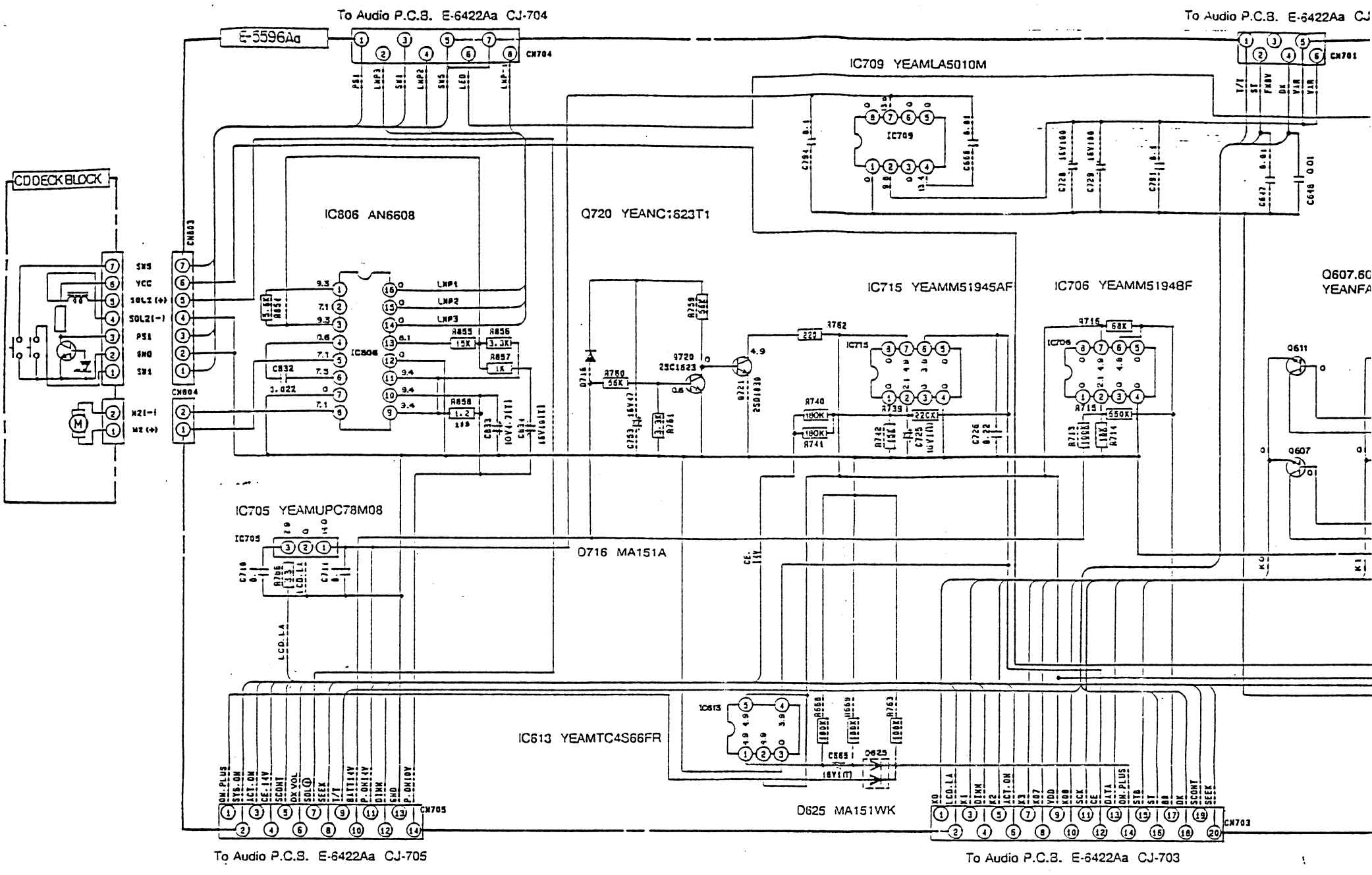
Q613	
B	0V
C	0V
E	0V

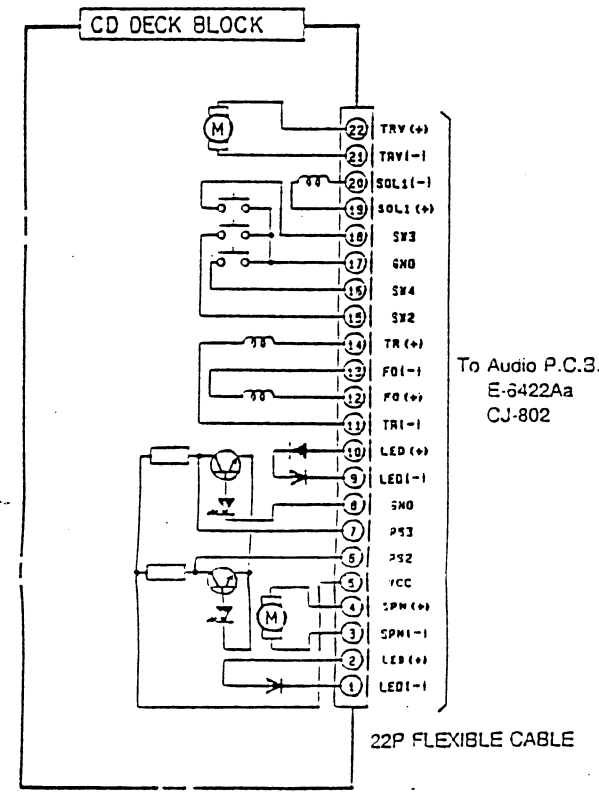
Q614	
B	1.0V
C	0V
E	0V

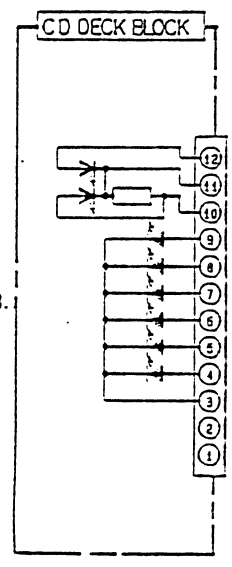
Q610	
B	0V
C	0V
E	0V

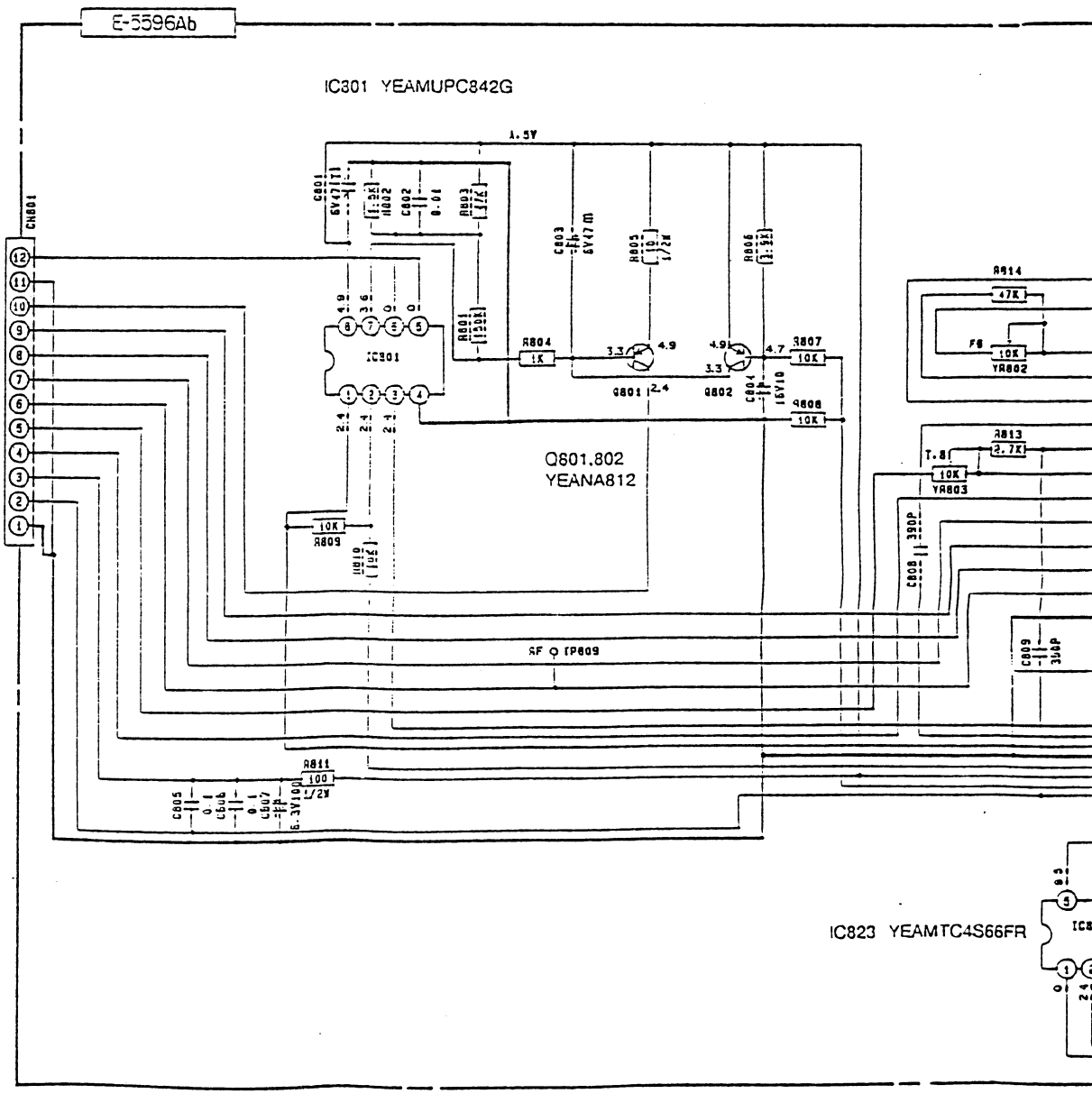


SCHEMATIC DIAGRAM/SCHALTBILT MODEL CQ-JV1020L (CD BLOCK)







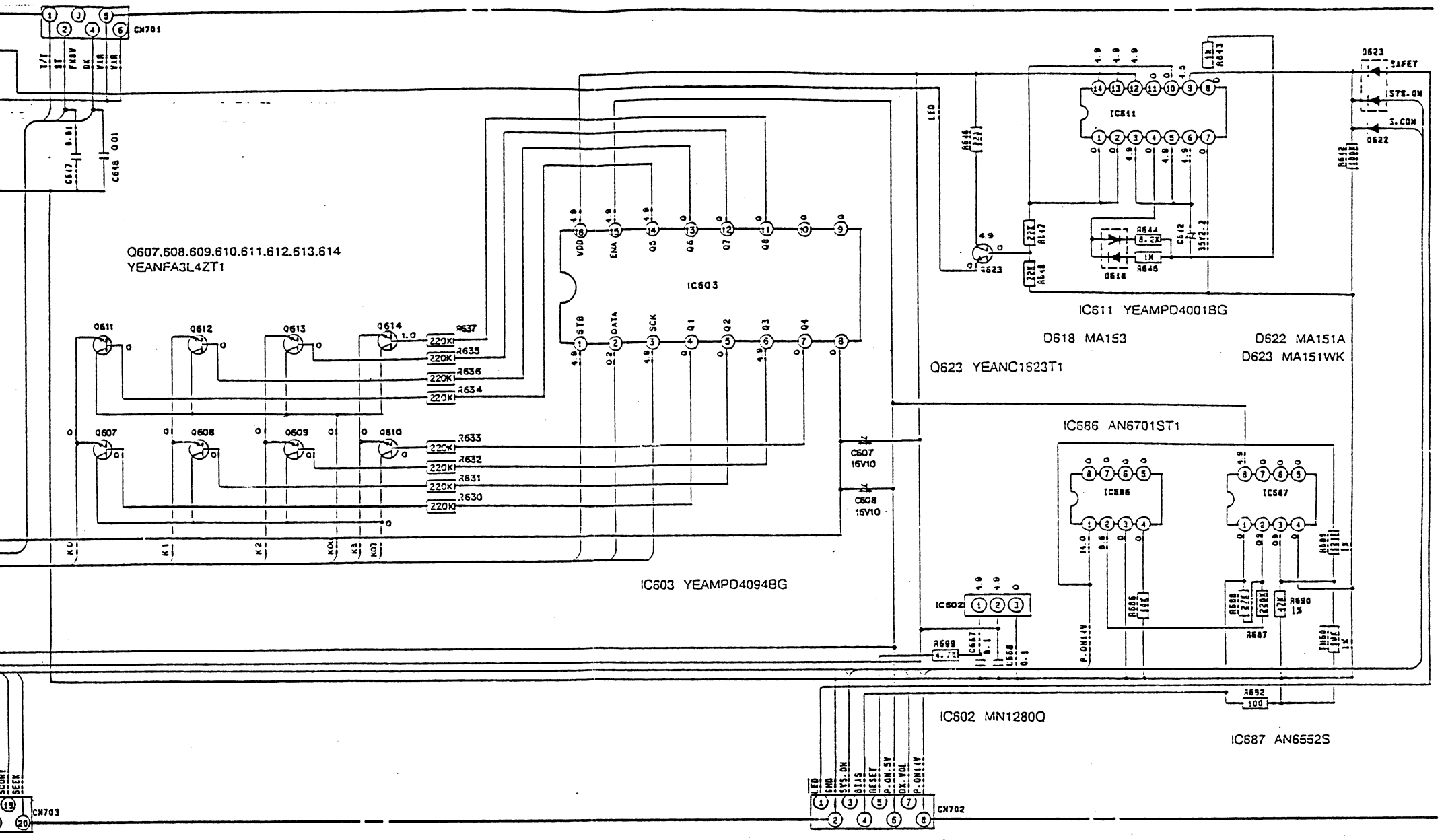


NOTES:

1) Voltage mesurements are with respect to ground, with a digital voltmeter, with controls set for normal operation, no signal applied, 14.4V DC power supply.

- Exact value determined by production process. This schematic diagram is the latest at the time of printing and subject to change without notice. Replace same value as original parts.

- Important safety notice: Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.


CN701
Q607.608.609.610.611.612.613.614
YEANFA3L4ZT1
IC603
IC603 YEAMPD40948G
IC611
IC611 YEAMPD4001BG
D618 MA153
D622 MA151A
D623 MA151WK
Q623 YEANC1623T1
IC686 AN6701ST1
IC686
IC687
IC687 AN6552S
IC602
IC602 MN1280Q
CN703
CN702
To Audio P.C.B. E-6422Aa CJ-702

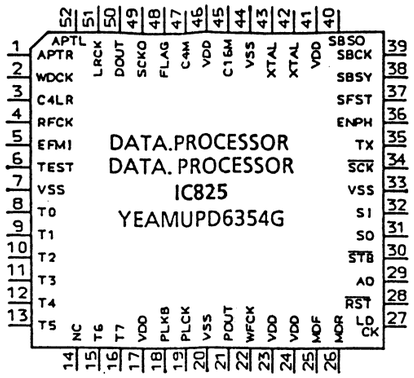
IC802 YEAMUPC1339G
IC803 YEAMPD4053BG
IC804 YEAMNJM2904M
D801 MA153
IC805 YEAMUPC342G
IC823 YEAMTC4S66FR
IC802
IC803
IC804
IC805
IC823
CN205
To Audio P.C.B. E-6422Aa CJ-205

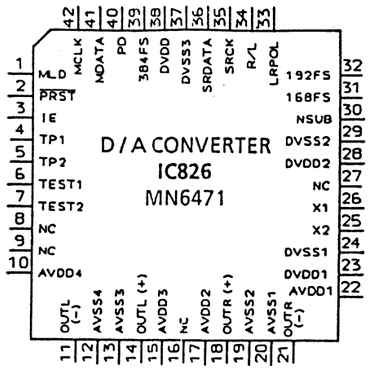
OPERATION OF LSI/BEDIENUNG DES LSI

■ IC825 YEAMUPD6354G

Pin No.	Port	Discription
1	APTR	Non Connection
2	WDCK	
3	C4LR	
4	RFCK	
5	EFMI	EFM signal input
6	TEST	Test terminal. (Connecting GND)
7	V_{SS}	Ground
8~13	T0~5	Test terminal. T2~T5non connection
14	NC	Non Connection
15,16	T6,7	Test terminal. Non connection
17	V_{DD}	+ 5V power supply
18	PLK8	VCO clock input.(connecting GND)
19	PLCK	Non Connection
20	V_{SS}	Ground
21	POUT	Non Connection
22	WFCK	Frame synchronous signal
23,24	V_{DD}	+ 5V power supply
25,26	MDF, MDR	CLV servo control output
27	LOCK	Non Connection
28	$\overline{RST}$	Reset input
29	A0	Microcomputer interface
30	$\overline{STB}$	Serial data latching Signal input

Pin No.	Port	Discription
31	SO	Serial data output
32	SI	Serial data input
33	V_{SS}	Ground
34	$\overline{SCK}$	Clock input
35	TX	Non Connection
36	EMPH	Pre-emphasis output
37	SFSY	Non Connection
38	SBSY	Sub-code block signal output
39	SBCK	Sub-code data clock input
40	SBSO	Sub-code data output
41	V_{DD}	+ 5V Power Supply
42	$\overline{XTAL}$	Non Connection
43	XTAL	16.9MHzClock input
44	V_{SS}	Ground
45	C16M	Clock output
46	V_{DD}	+ 5V power supply
47	C4M	Non Connection
48	FLAG	Flag signal output
49	SCKO	Sound serial data clock output
50	DOUT	Sound serial data output
51	LRCK	Duty 50% Signal output
52	APTL	Non Connection

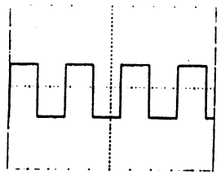


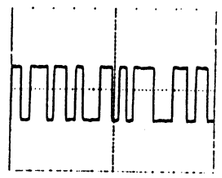


■ IC826 MN6471

Pin No.	Port	Discription
1	MLD	Microcomputer command loding input
2	RSTB	Reset input
3	IE	Signal-processor LSI format input
4, 5	TP1, 2	Test terminal output.(Non connection)
6, 7	TEST1, 2	Test signal input (Non Connection)
8, 9	NC	Non Connection
10	$AV_{DD}4$	+ 5V power supply
11	OUTL(-)	PWM output.(Non Connection)
12, 13	AV_{SS}	Ground
14	OUTL(+)	PWM output
15	$AV_{DD}3$	+ 5V power supply
16	NC	Non Connection
17	$AV_{DD}2$	+ 5V power supply
18	OUTR(+)	PWM output
19, 20	$AV_{SS}2, 1$	Ground
21	OUTR(-)	PWM output.(Non Connection)
22	$AV_{D}D1$	+ 5V power sypply
23	$DV_{DD}1$	+ 5V power sypply

Pin No.	Port	Discription
24	$DV_{SS}1$	Ground
25, 26	X2, 1	Crystal oscillater
27	NC	Non Connection
28	$DV_{DD}2$	+ 5V power sypply
29	$DV_{SS}2$	Ground
30	NSUB	Connecting DV_{DD}
31	NC	Non Connection
32	192FS	192FS output.(Non Connection)
33	LRPOL	LRCLK polarity switching input
34	LRCK	LRCLK input
35	SRCLK	Serial bit clock input
36	SRDATA	Serial data input
37	$DV_{SS}3$	Ground
38	$DV_{DD}3$	+ 5V power supply
39	384FS	384FS output
40	PD	Power down input
41	MDATA	Microcomputer command data input
42	MCLK	Microcomputer command clock input

IC825 ④

2V/DIV, 5µS/DIV

IC825 ⑤

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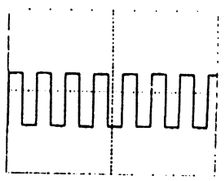
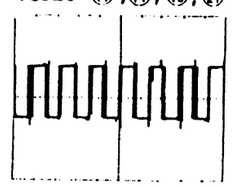
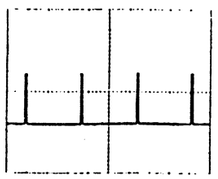
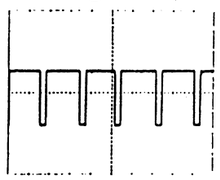
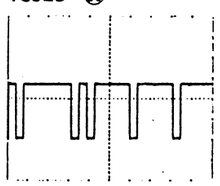
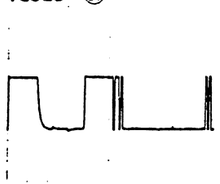

2V/DIV, 0.1mS/DIV

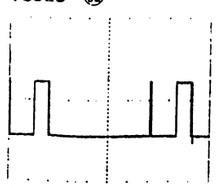
IC826 ⑪, ⑭, ⑱, ㉑

2V/DIV, 0.5µS/DIV

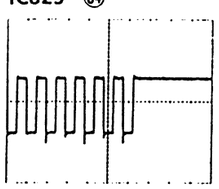
IC825 ㉕

2V/DIV, 0.2mS/DIV

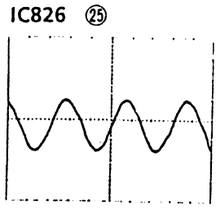
IC825 ㉙

2V/DIV, 0.2mS/DIV

IC825 ㉚

2V/DIV, 20µS/DIV

IC825 ㉛

2V/DIV, 10µS/DIV

IC825 ㉜

2V/DIV, 50µS/DIV

IC825 ㉞

2V/DIV, 1µS/DIV

IC826 ㉕

1V/DIV, 10nS/DIV

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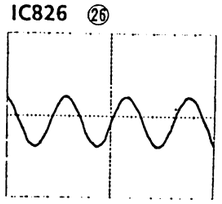
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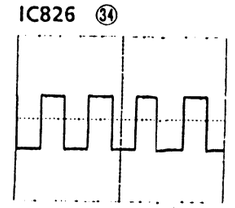
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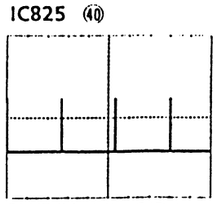
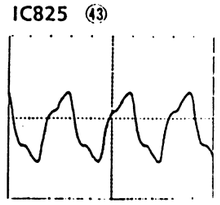
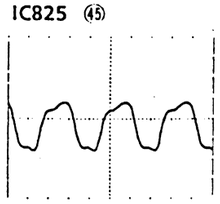
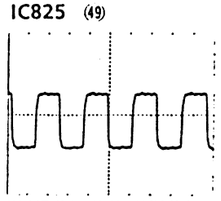
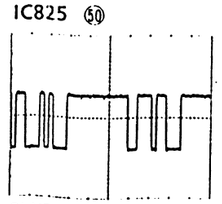
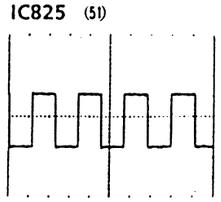

2V/DIV, 50mS/DIV

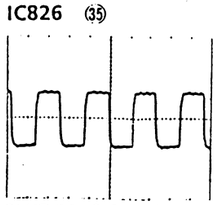
IC825 ㊸

1V/DIV, 20nS/DIV

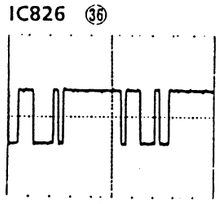
IC825 ㊺

2V/DIV, 20nS/DIV

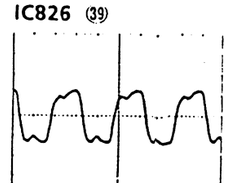
IC825 ㊾

2V/DIV, 0.2µS/DIV

IC825 ㊿

2V/DIV, 2µS/DIV

IC825 (51)

2V/DIV, 10µS/DIV

IC826 ㉟

2V/DIV, 0.2µS/DIV

IC826 ㊱

2V/DIV, 2µS/DIV

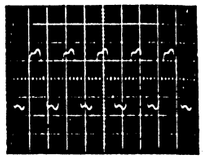
IC826 ㊴

2V/DIV, 20nS/DIV

■ IC601 YEAM78214522

Pin No.	Port	Discription	I/O
1	DI	Serial data from PLL	I
2	CE	Chip enable for PLL	O
3	CS	Chip select for NV-RAM	O
4	CL	Serial clock for NV-RAM	O
5	DO	Serial data for NV-RAM	O
6	RESET	Reset input	I
7	X1	Crystal oscillator	I
8	X2	Crystal oscillator	–
9		(Connecting GND)	–
10	SDI	Serial data for NV-RAM	I
11	SYS. ON	Power control for Audio System	O
12~14	NC	Non Connection	–
15	ACT. ON	Active Amp control	O
16	SD	B/S detection	I
17~23	K08~02	Key Matrix OUTPUT	O
24	V_{SS}	Ground	–
25, 26	K01, 00	Key Matrix OUTPUT	O
27	NC	Non Connection	–
28	ON. PLUS	S-CONT In signal	I
29	CE	Chip enable	I
30	S. CONT	Key status signal	I
31	BAT	Battery level detection	I
32	BK	Non Connection	–
33	STB	Non Connection	–
34	NC	Non Connection	–

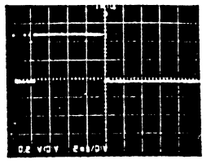
Pin No.	Port	Discription	I/O
35	DATA	Serial data input	I
36	W/T. VOL	Warning tone status	O
37	$\overline{LED}$	LED control	O
38	SCK	Serial data clock	I
39	SO	Serial data output	O
40, 41	V_{DD}	+8V Power supply	–
42	V_{SS}	Ground	–
43	V_{DD}	+8V Power supply	–
44~48	K4~K0	Key Matrix input	I
49	AD. IN	Analog signal input	I
50	GRP/BLK	RDS decoder signal	O
51	REQ	Request to RDS decoder	O
52	$\overline{MUTE}$	Mute control	O
53	WT	Warning tone output	O
54	ST	Non Connection	–
55	CL	Non Connection	–
56	DATA	Non Connection	–
57	C	Analog SW control signal	O
58	A+B	Analog SW control signal	O
59	E	LCD Control signal	O
60	R/W	LCD Control signal	O
61	RS	LCD Control signal	O
62	AF. MUTE	AF Mute control	O
63	A/B	Non Connection	–
64	NC	Non Connection	–

IC601 ⑦



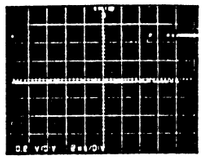
1V/DIV, 0.5µS/DIV

IC601 ㉓

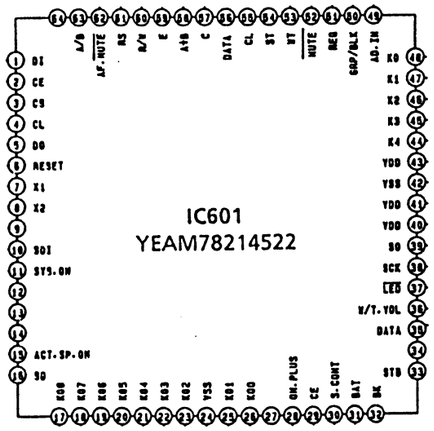


2V/DIV, 2mS/DIV

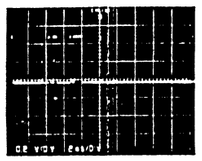
IC601 ㉕



2V/DIV, 2mS/DIV

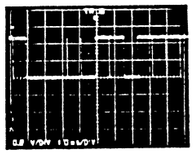


IC601 ㉖



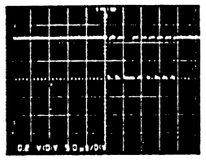
2V/DIV, 2mS/DIV

IC601 ㉟



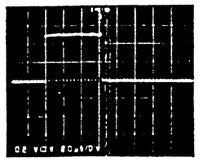
2V/DIV, 10mS/DIV

IC601 ㊳



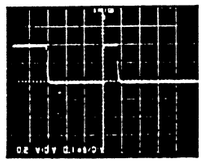
2V/DIV, 50µS/DIV

IC601 ㊴



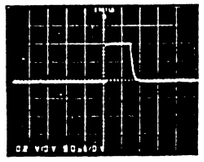
2V/DIV, 20µS/DIV

IC601 ㊹



2V/DIV, 0.1mS/DIV

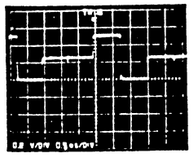
IC601 ㊽



2V/DIV, 50µS/DIV

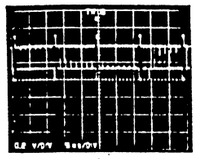
■ IC612 YEAMHD44780

IC612 ① SEG. 22



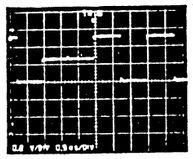
2V/DIV, 0.5mS/DIV

IC612 ㊼ COM1



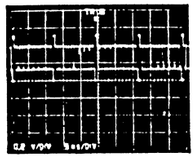
2V/DIV, 5mS/DIV

IC612 ㉒ SEG. 1



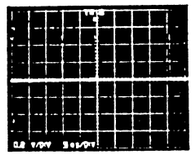
2V/DIV, 0.5mS/DIV

IC612 ㊸ COM7

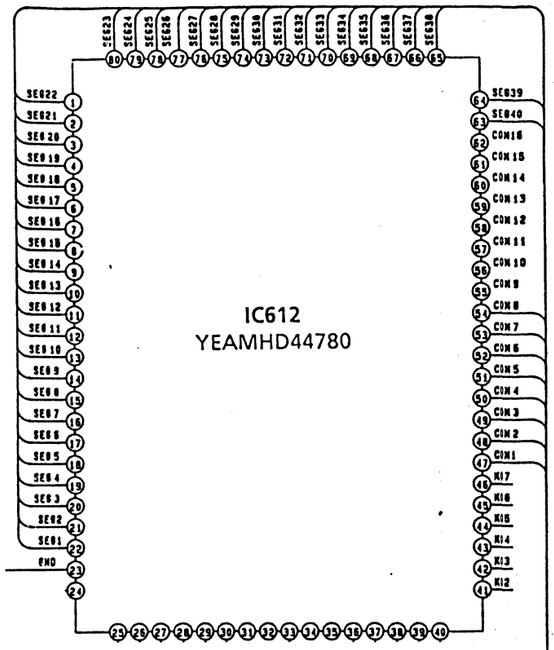


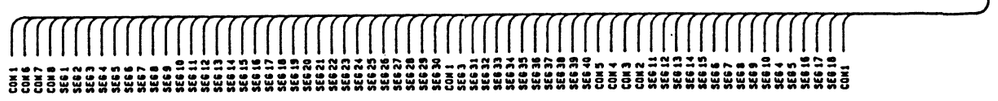
2V/DIV, 5mS/DIV

IC612 ㊵ R/W

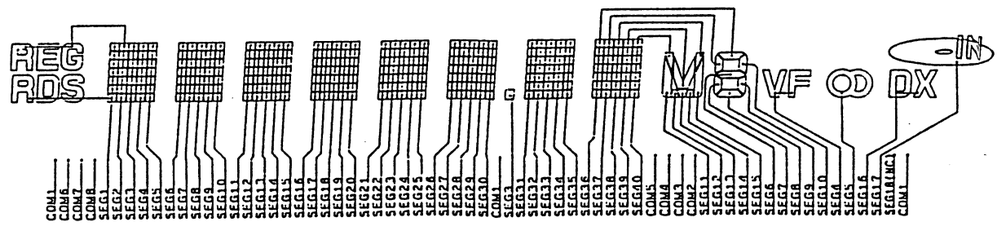


2V/DIV, 5mS/DIV

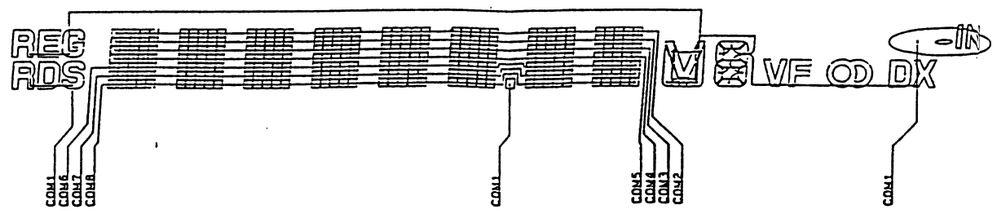




SEGMENT



COMMON

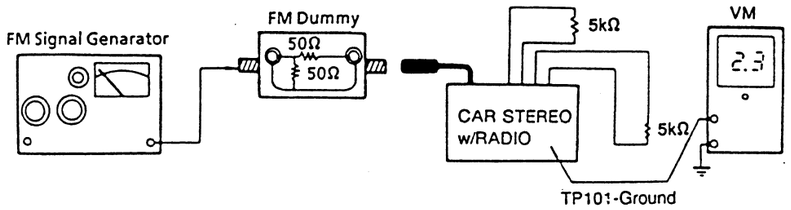


ALIGNMENT INSTRUCTIONS (RADIO BLOCK)

- Power Supply Voltage : DC 14.4V
- Output Impedance : 5kΩ
- Output Voltage : 400mV (0dB)
- Modulation : 30%
- Fader Control : Center
- Tone Control (Bass/Tre) : Center
- GALA : Minimum

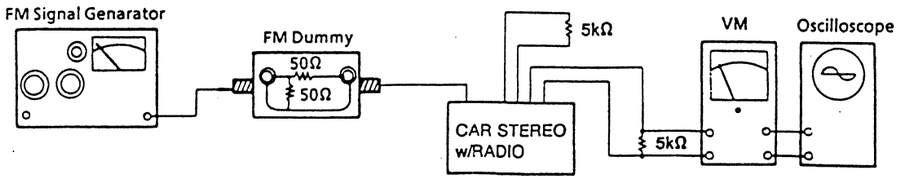
1. FM CONTROL VOLTAGE ALIGNMENT

Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Frequency Display (Radio)	Adjust	Remarks
1	FM CONTROL VOLTAGE	FM	98.1 MHz 24 dB/μV	Antenna Receptacle	TP101-Ground	98.1 MHz	VR104	•Adjust for 2.30 ± 0.05 (V)



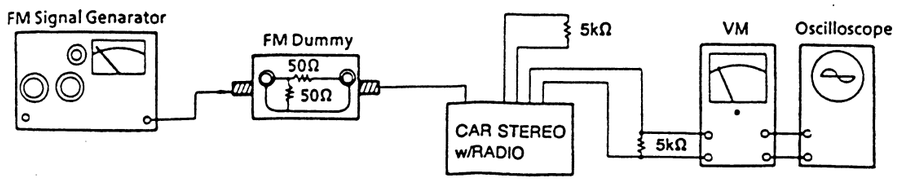
2. FM SOFT MUTE ALIGNMENT

Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
2	FM SOFT MUTE	FM	98.1 MHz 54 dB/μV [400Hz]	Antenna Receptacle	Speaker Terminals	98.1 MHz	VR103	•At this time; output level is 0 dB •Adjust output level for −30dB at −20dB input.



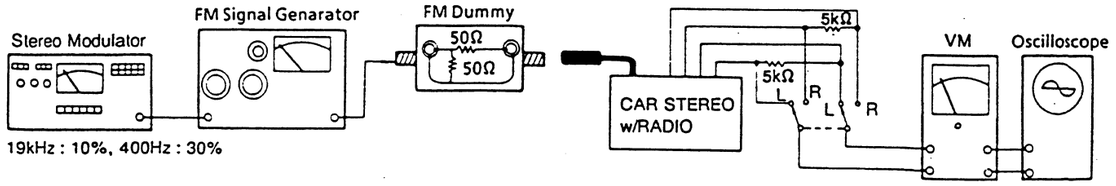
3. FM SERCH SENSITIVITY ALIGNMENT

Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
3	FM Search Sens.	FM	98.1 MHz 22 dB [400Hz Mod.]	Antenna Receptacle	Speaker Terminals	98.1 MHz	VR102	•Set DX mode. •Adjust to stop search tuning at 22 dB input.



4. FM MULTIPLEX SEPARATION ALIGNMENT

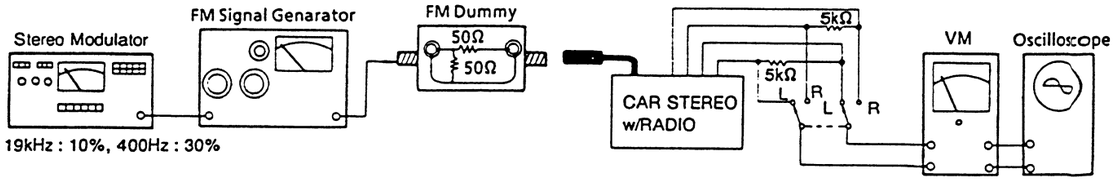
Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
4	FM MPX	FM	98.1 MHz 70 dB/μV [400Hz Mod.]	Antenna Receptacle	Speaker Terminals	98.1 MHz	VR106	•Adjust for maximum separation.



NOTE : • Be sure to turn VR105 clockwise before making this adjustment.

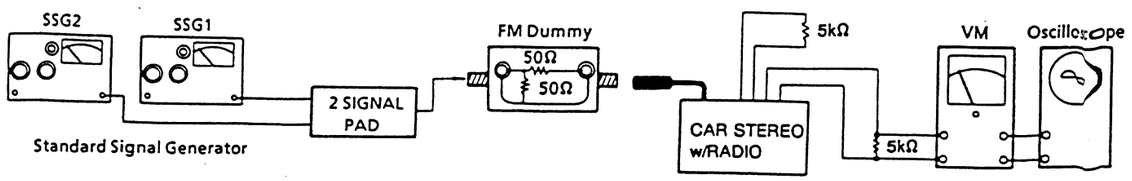
5. FM ASC ALIGNMENT

Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
5	FM ASC	FM	98.1 MHz 43 dB/μV [400Hz Mod.]	Antenna Receptacle	Speaker Terminals	98.1 MHz	VR105	•Adjust for 20 dB separation at 43 dB/μV input.



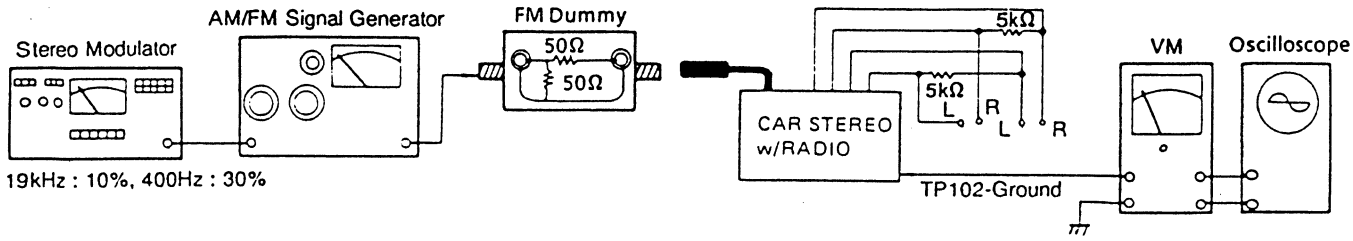
6. FM 2 SIGNAL AGC ALIGNMENT

Step	Alignment Item	Band Select	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
6	2 SIGNAL AGC	FM	f_1: 98.1 MHz 60 dB/μV [400Hz Mod.] f_2: 98.5 MHz 100 dB/μV [Non- Mod.]	Antenna Receptacle	Speaker Terminals	98.1 MHz	VR101	•Set Volume control for output (0 dB). •SSG1 output to 46 dB/μV and adjust for −3 dB down output.



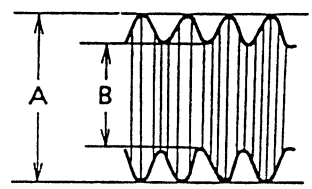
7. MULTI-PATH DETECTIVE LEVEL ALIGNMENT

Step	Align-ment Item	Band Se-lect	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
7	FM MULTI PATH LEVEL	FM	98.1 MHz 54 dB/μV [400Hz] [50KHz]	Antenna Receptacle	TP102	98.1 MHz	VR107	•Adjust multi signal on TP102 start to have pulses (threshold point). Select range 2V/DIV on Oscilloscope.



NOTE : • The osilloscope to be used should be of 100MHz type.
• In calculation of index factor, the output waveform of the OSC should be measured under a 100MHz oscilloscope instead of using the direct read SG. Adjust the ATT of the OSC until A and B shown at right become 27% at :

$$\frac{A-B}{A+B} \times 100\,(\%)$$



ALIGNMENT INSTURUCTIONS (CD-BLOCK)

1. MEASURING INSTRUMENTS AND TOOLS

1. CD adjusting jig YESFZ5019
2. Two-channel oscijloscope
3. Low-frequency oscillator
4. Screwdriver for adjusting semi-fixed variable resistors
5. Test disk CDT-002
6. Extension cords YESFZN2001

2. ALIGNMENT PROCEDURES AND POINTS

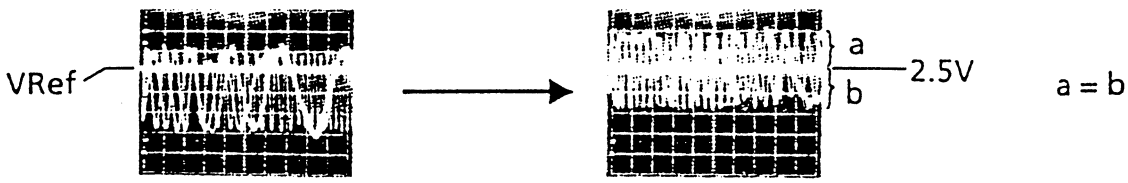
1. Tracking balance alignment	VR803	TP803(TE)	TP804(VREF)
2. RF offset alignment	VR806	TP801(RF)	TP804(VREF)
3. Focus balance alignment	VR801	TP801(RF)	TP806(FE)
4. Focus gain alignment	VR802	JSW1(TP805)	
5. Tracking gain alignment	VR804	JSW2(TP802)	
6. Focus offset alignment	VR805	TP801(RF)	

3. ADJUSTING METHODS

※ Make use of 10:1 oscilloscope probe.

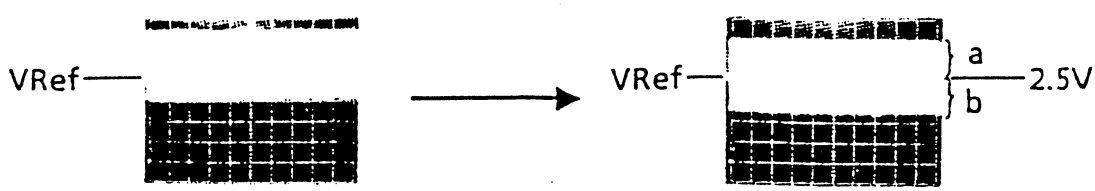
1) Tracking balance alignment (VR803)

- Test point : TP803(TE) ..... Oscilloscope Ch1
  TP804(VREF) ..... Oscilloscope Ch2
- Jumper switch setting : JSW1(TP805) ..... Connect to TP806(FE) use of J801
  JSW2(TP802) ..... Open
- Oscilloscope setting : Ch1, Ch2 ..... 50mV/div, 5mS/div, DC, AUTO
- Operation : Set both CH1 + CH2 reference points at the bottom of screen (same line).
  Play the test disc track #1.
- Alignment : Adjust VR803 until the TE signal amplitude (a) and (b) are equal.
- Waveform :



2) RF offset aligment (VR806)

- Test point : TP801(RF) ..... Oscilloscope Ch1
  TP804(VREF) ..... Oscilloscope Ch2
- Jumper switch setting : JSW1(TP805) ..... Connect to TP806(FE) use of J801
  JSW2(TP802) ..... Connect to TP803(TE) use of J802
- Oscilloscope setting : Ch1, Ch2 ..... 50mV/div, 0.5µS/div, DC, AUTO
- Operation : Set both CH1 + CH2 reference points at the bottom of screen (same line).
  Play the test disc track #1.
- Alignment : Adjust VR806 until the RF signal amplitude (a) and (b) are equal.
- Waveform :

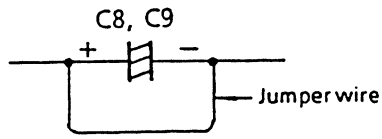


3) Focus balance alignment (VR801)

- Test point : TP801(RF) ..... Oscilloscope Ch1
  TP806(FE) ..... Oscilloscope Ch2
- Jumper switch setting : JSW1(TP805) ..... Open
  JSW2(TP802) ..... Connect to TP803 use of J802
- CD adjusting jig connection

[Before Use]

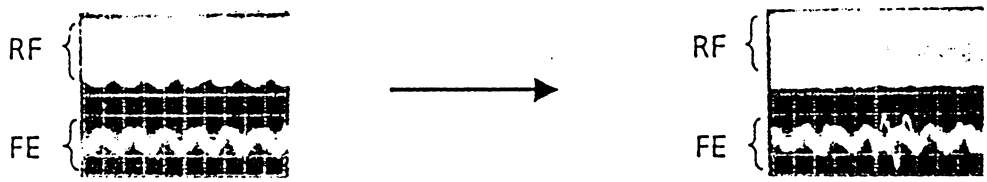
1. When using YESFZ5019 for the servo alignment, capacitors C8 and C9 must be shorted by soldering a piece of wire (See diagram below).



2. Be sure to remove the jumper wires from the capacitors after the alignment.

1. Clip ..... Chassis
2. Lead IN (brown) ..... TP803(TE)
3. Lead OUT (red) ..... TP802(JSW2)
4. OSC terminal ..... Oscillator
5. Jig switch (SW1) ..... Set at TEST position

- Oscilloscope setting : Ch1, Ch2 ..... 50mV/div, 1mS/div, AC, AUTO
- Oscillator : 1.3KHz, 280mV$_{P\text{-}P}$
- Operation : Play the test disc track #1.
- Alignment : Adjust VR801 until the lower edge of RF signal amplitude (ch1) is flat. (The lower edge of the RF signal amplitude will be at mid-point of in phase or out of phase with FE signal.)

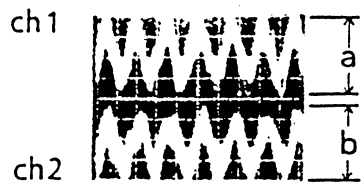


Note : After the alignment, do not disconnect any connections. Continue to step 4.

4) Focus gain alignment (VR802)

★ Change connection of oscilloscope in step 3 to the adjusting jig and proceed with the focus gain alignment.

- Test point : CD adjusting jig-Monitor1 ..... Oscilloscope prove Ch1
  CD adjusting jig-Monitor2 ..... Oscilloscope prove Ch2
- Oscilloscope setting : Ch1, Ch2 ..... 20mV/div, Sweep ..... 0.5mS/div AC, AUTO
- Opration : Play test disc track #1
- Alignment : Adjust VR802 until the amplitude of Ch1 and Ch2 are equal.
- Waveform :



a = b

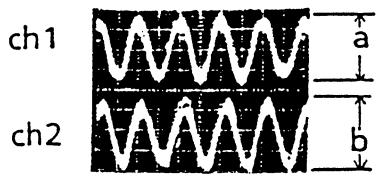
5) Tracking gain alignment (VR804)

★ The same as step 4) except the following :

- Jumper switch setting : JSW1(TP805) ..... Connect to TP806(FE) use of J801
  JSW2(TP802) ..... Open
- CD adjusting jig connection
  1. Lead IN (brown) ..... TP803(TE)
  2. Lead OUT (red) ..... TP802(JSW2)
- Oscillator : 1KHz, 280mV$_{P-P}$
- Operation : Play test disc track #1.
- Alignment : (1) Adjust VR804 until the amplitude of Ch1 and Ch2 are equal.
  (2) Confirm that the amplitude of Ch2 become 1/2 of Ch1, when TP807(VNI) is connected to ground(GND).

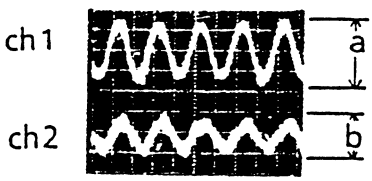
- Waveform :

(1)



a = b

(2)

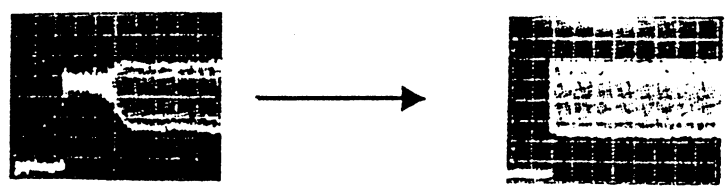


a = 2b

6) Focus offset alignment (VR805)

- Test point : TP801(RF) ..... Oscilloscope prove Ch1
- Jumper switch setting : JSW1(TP805) ..... Connect to TP806(FE) use of J801
  JSW2(TP802) ..... Connect to TP803(TE) use of J802
- Oscilloscope setting : Ch1 ..... 50mV/div, 0.5mS/div, AC, NORM
- Operating Play the test disc track #8 and 9.
- Alignment : (1) Watch the RF waveform as shown in the following photograph and adjust VR805 to minimize a depressions on the low side of the RF waveform.
  (2) Confirm that the amplitude level of the RF signal is more than 1.4 V.
- Waveform :

RF



More than 1.4 V

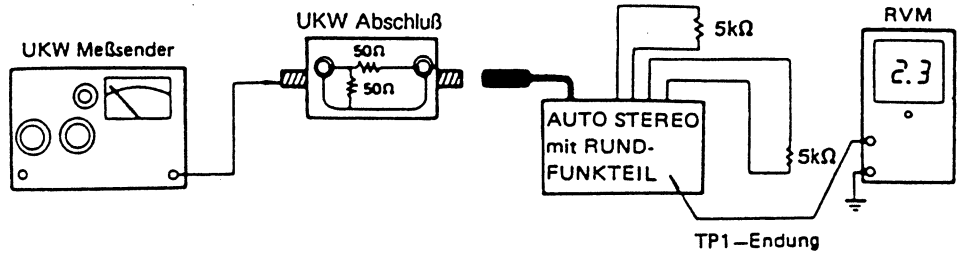
Adjust to minimize a depression.

ABGLEICH ANLEITUNG (RADIO BLOCK)

- Spannungsversorgung : DC 14.4V
- Auspangsimpedanz : 5KΩ
- Ausgangsspannung : 400mV (0dB)
- Überblendregler : Mitte
- Klangregler (Höhen/Tiefton) : Mitte
- GALA : Minimal
- Modulation : 30%

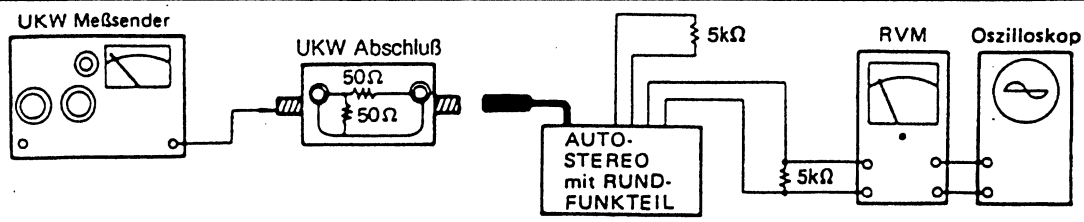
1. UKW STEUERSPANNUNGS-ABGLEICH

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-instruments	Anzeige	Abgleich	Ammerkung
1	UKW STEUER-SPANNUNG	UKW	98.1 MHz 24 dB/μV	Antennen-anschluß	TP101-Erdung	98.1 MHz	VR104	•Auf 2.3 ± 0.05V stellen.



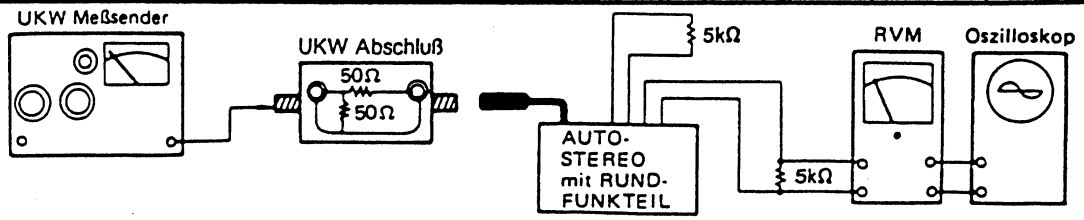
2. ABGLEICH DER UKW-STUMMABSTIMMUNG

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-instruments	Anzeige	Ab-gleich	Ammerkung
2	UKW STUMM-ABSTI-MMUNG	UKW	98.1 MHz 54 dB/μV [400 Hz]	Antennen-anschluß	Lautsprecher-anschlüsse	98.1 MHz	VR103	• Zu diesem Zeitpunkt beträgt der Ausgang-spegel 0 dB. • Den Ausgangspegel bei einem Eingang von -20 dB auf -30dB einstellen.



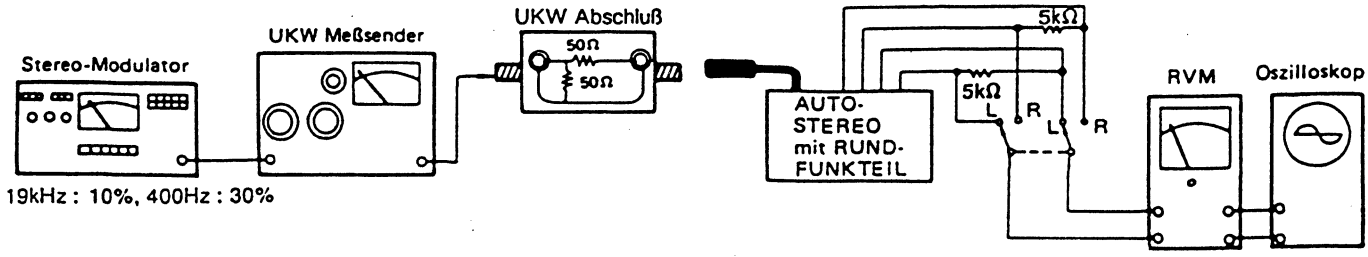
3. UKW SUCHEMPF INDLICHKEITS-EINSTELLUNG

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-instruments	Anzeige	Abgleich	Ammerkung
3	UKW SUCHE MPF	UKW	98.1 MHz 22 dB/μV [400Hz mod.]	Antennen-anschluß	Lautsprecher-anschlüsse	98.1 MHz	VR102	• Auf dei DX-Betr-iebsart einsteiien. • Die Suchlaufsch-welle auf 22 dB Eingang einstellen.



4. ABGLEICH VON UKW-MULTIPLEX TRENNUNG

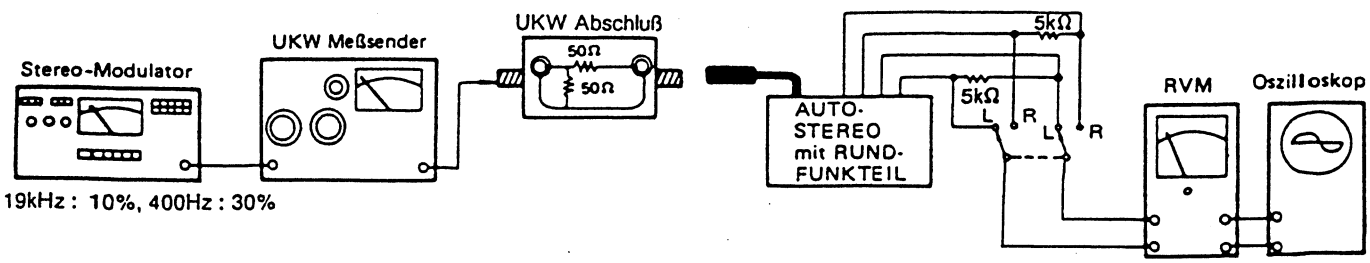
Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-instruments	Anzeige	Abgleich	Ammer-kung
4	UKW MPX	UKW	98.1 MHz 70 dB/µV [400Hz mod.]	Antennen-steckdose	Lautsprecher-anschlüsse	98.1 MHz	VR106	●Auf maximale Trennung einstellen.



Hinweis : • Vor dieser Einstellung iet VR105 nach rechts zu drehen.

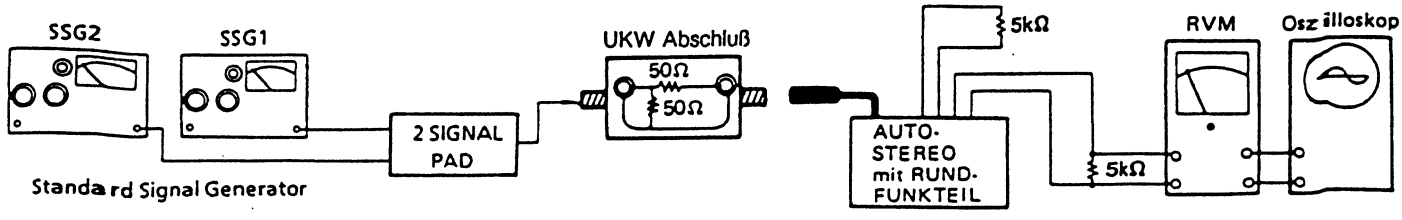
5. ABGLEICH VON UKW ASC

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-instruments	Anzeige	Abgleich	Ammer-kung
5	UKW ASC	UKW	98.1 MHz 43 dB/µV [400Hz mod.]	Antennen-anschluß	Lautsprecher -anschlüsse	98.1 MHz	VR105	●Auf 20 dB Trennung bei 43 dB/µV einstellen.



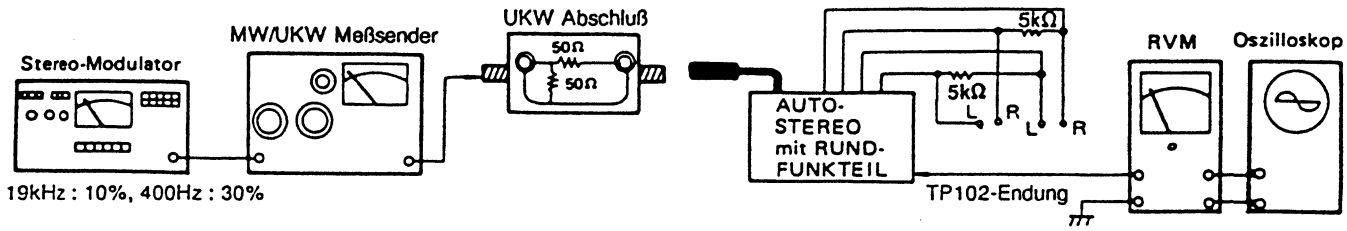
6. ABGLEICH VON UKW 2 SIGNAL AGC

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsender	Anschluß des Anzeige-instruments	Anzeige	Abgleich	Ammer-kung
6	2 SIGNAL AGC	UKW	f1 : 98.1MHz 60dB/µV [400Hzmod.] f2 : 98.5MHz 100dB/µV [Non -Mod.]	Antennen-anschluß	Lautsprecher-anschlüsse	98.1 MHz	VR101	●Lautstärkeregelung auf 0 dB Ausgang einstellen. ●SSg1-Ausgang auf 46 dB/µV und Ausgang auf -3 dB einstellen.



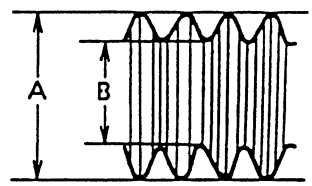
7. MEHRWEGERKENNUNGS-PEGEL ABGLEICH

Stufe	Abgleich-objekt	Stellung des Wellenbereich-umschalters	Meßsender-frequenz	Ankopplung des Meßsenders	Anschluß des Anzeige-Instruments	Anzeige	Abgleich	Ammer-kung
7	UKW MEHRWEG-ERKENNUNGS PEGEL-ABGLEICH	UKW	98.1 MHz 54dB/µV [400Hz] [50kHz]	Antennen-anschluß	TP102	98.1 MHz	VR107	• Einstellung so vornehmen, daß gerade Pulse erscheinen (Schaltpunkt). Meßbereich am Oszilloskop 2V/Div.



Hinweis :
- Für die Messungen sollte ein 100-MHz Oszilloscop verwendet werden.
- Die Einstellung des AM-Modulationsgrades sollte mit dem Oszilloskop vorgenommen werden, um genau 27% zu erreichen.

$$\frac{A-B}{A+B} \times 100\,(\%)$$



ABGLEICH ANLEITUNG (CD BLOCK)

1. MESSINSTRUMENTE UND WERKZEUGE

1. CD-Einstellvorrichtung YESFZ5019
2. 2-Kanal-Oszilloskop
3. Niederfrequenz-Oszillator
4. Schraubenzieher zum Einstellen der halbbefestigten Regelwiderstände
5. Test-Disc CDT-002
6. Verlängerungskabel YESFZN2001

2. ABGLEICHVERFAHREN UND-PUNKTE

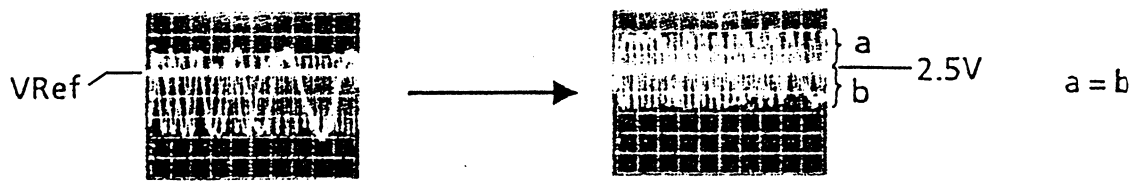
1. Trackingbalanceabgleich	VR803	TP803 (TE)	TP804 (VREF)
2. HF-Abweichungsabgleich	VR806	TP801 (RF)	TP804 (VREF)
3. Fokusbalanceabgleich	VR801	TP801 (RF)	TP806 (FE)
4. Fokusverstärkungsabgleich	VR802	JSW1 (TP805)	
5. Trackingverstärkungsabgleich	VR804	JSW2 (TP802)	
6. Fokusabweichungsabgleich	VR805	TP801 (RF)	

3. EINSTELLMETHODEN

Die 10 : 1 Oszilloskoptastköpfe verwenden.

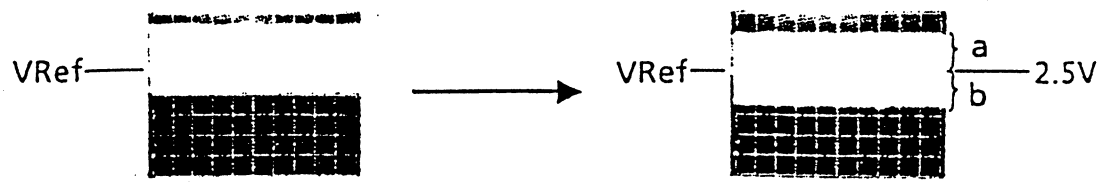
1) Trackingbalanceabgleich (VR803)

- Prüfpunkt : TP803 (TE) ..... Kanal 1 des Oszilloskops
  TP804 (VREF) .... Kanal 2 des Oszilloskops
- Jumpereinstellung : JSW1 (TP805) .... Mit Hilfe von J801 an TP806 (FE) anschließen.
  JSW2 (TP802) .... Offen
- Oszilloskopeinstellung : Kanäle 1, 2 ..... 50 mV/Teilung, 50ms/Teilung, Gleichstrom, automatisch
- Betrieb : Die beiden Bezugspunkte CH1 + CH2 auf den unteren Teil des Bildschirms einstellen (gleiche zeile).
  Den Titel Nr. 1 der Test-Disc wiedergeben.
- Abgleich : VR803 verstellen, bis die TE-Signalamplituden (a) und (b) gleich sind.
- Wellenform :



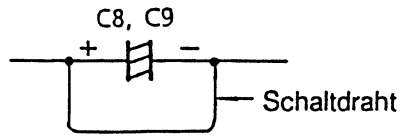
2) HF-Abweichungsabgleich (VR806)

- Prüfpunkt : TP801 (RF) ..... Kanal 1 des Oszilloskops
  TP804 (VREF) .... Kanal 2 des Oszilloskops
- Jumpereinstellung : JSW1 (TP805) .... Mit Hilfe von J801 an TP806 (FE) anschließen.
  JSW2 (TP802) .... Mit Hilfe von J802 an TP803 (TE) anschließen.
- Oszilloskopeinstellung : Kanäle 1, 2 ..... 50 mV/Teilung, 0.5µs/Teilung, Gleichstrom, automatisch.
- Betrieb: Die beiden Bezugspunkte CH1 + CH2 auf den unteren Teil des Bildschirms einstellen (gleiche Zeile).
  Den Titel Nr. 1 der Test-Disc wiedergeben.
- Abgleich : VR806 verstellen, bis die HF-Signalamplituden (a) und (b) gleich sind.
- Wellenform :



3) Fokusbalanceabgleich (VR801)

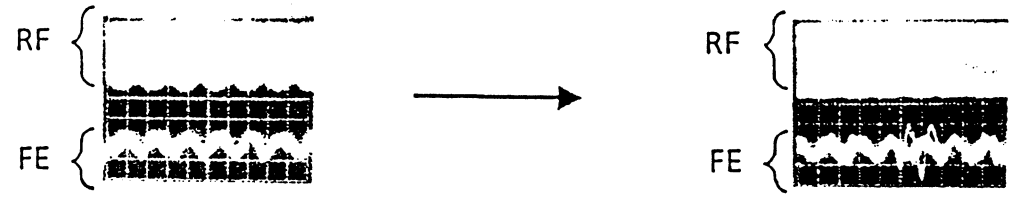
- Prüfpunkt : TP801 (RF) ..... Kanal 1 des Oszilloskops
  TP806 (FE) ..... Kanal 2 des Oszilloskops
- Jumpereinstellung : JSW1 (TP805) .... Offen
  JSW2 (TP802) .... Mit Hilfe von J802 an TP803 anachließen.
- Anschluß der CD-Einstellvorrichtung
  [Vor der Verwendung]
  1. Bei Verwendung von YESFZ5019 für den Servoabgleich müssen die Kondensatoren C8 und C9 durch Anlöten eines Drahtstückes kurzgeschlossen werden. (Siehe Diagramm unten.)



  2. Nach dem Abgleich darauf achten, die Shaltdrähte von den kondensatoren zu entfernen.

1. Klammer ..... Chassis
2. Leitungseingang (braun) ..... TP806 (FE)
3. Leitungsausgang (rot) TP805 (JSW1)
4. Oszillatorklemme ..... Oszillator
5. Vorrichtungsschalter (SW1) ..... Auf TEST einstellen.

- Oszilloskopeinstellung : Kanäla 1, 2 ..... 50 mV/Teilung, 1ms/ Teilung, Wechselstrom, automatisch
- Oszillator : 1.3 kHz, 280 mVp-p
- Betrieb : DenTitel Nr. 1 der Test-Disc widergeben.
- Abgleich : VR801 verstellen, bis die untere Flanke der HF-Signalamplitude flach ist. (Die untere Flanke der HF-Signalamplitude befindet sich in der Mitte, wenn das FS-Signal in oder außer Phase ist.)



- Zur Beachtung : Nach dem Abgleich keine Anschlüsse trennen. Zum Schritt 4 übergehen.

4) Fokusverstärkungsabgleich (VR802)

★ Den Anschluß des Cszilloskops in Schritt 3 auf die Einstellvorrichtung umändern, und den Fokusverstärkungsabgleich vornehmen.

- Prüfpunkt : Monitor 1 der CD-Einstellvorrichtung
  ..... Kanal 1 des Oszilloskops
  Monitor 2 der CD-Einstellvorrichtung
  ..... Kanal 2 des Oszilloskops
- Oszilloskopeinstellung : Kanäle 1, 2 ..... 20 mV/Teilung,
  Durchlauf ..... 0.5 ms/Teilung,
  Wechselstrom, automatisch
- Betrieb : Den Tital Nr. 1 der Test-Disc wiedergeben.
- Abgleich : VR802 verstellen, bis die Amplituden der kanäle 1 und 2 gleich sind.
- Wellenform :

a = b

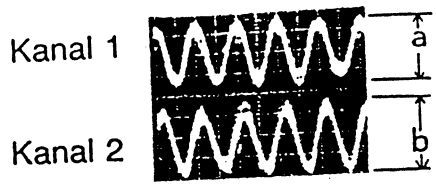
5) Trackingverstärkungsabgleich (VR804)

★ Gleich wie beim Schritt 4) mit Ausnahme von :

- Jumpereinstellung : JSW1 (TP805) .... Mit Hilfe Von J801 an TP806(FE) anschließen.
  JSW2 (TP802) .... Offen
- Anschluß der CD-Einstellvorrichtung
  1. Leitungseingang (braun) ..... TP803 (TE)
  2. Leitungsausgang (rot) TP802 (JSW2)
- Oszillator : 1kHz, 280 mVp-p
- Betrieb : Den Titel der Test-Disc wiedergeben.
- Abgleich : (1) VR804 verstellen, bis die Amplituden der kanäle 1 und 2 gleich sind.
  (2) Sicherstellen, daß die Amplitude des kanals 2 die Hälfte derjenigen des Kanals 1 beträgt, wenn die Schaltungsnullseite von MA153(D801) in der Vibrationserkennungsschaltung an Masse (GND) gelegt wird.

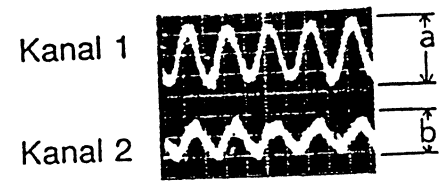
- Wellenform :

(1)



a = b

(2)



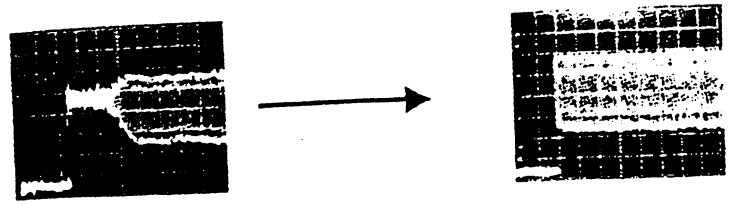
a = 2b

6) Fokusabweichungsabgleich (VR805)

- Prüfpunkt : TP801 (RF) ..... Kanal 1 der Oszilloskopsonde.
- Jumpereinstellung : JSW1 (TP805) .... Mit Hilfe von J801 an TP806 (FE) anschließen.
  JSW2 (TP802) .... Mit Hilfe von J802 an TP803 (TE) anschließen.
- Oszilloskopeinstellung : Kanal 1 ..... 50 mV/Teilung, 0.5 ms/Teilung, Wechselstrom, normal.
- Betrieb : Die Titel Nr. 8 und Nr. 9 der Test-Disc wiedergeben.
- Abgleich : (1) Die HF-Wellenform gemäß dem folgenden Foto beobachten, und VR805 so einstellen, daß die Vertiefungen an der unteren Seite der HF-Wellenform minimal sind.
  (2) Sicherstellen, daß der Amplitudenpegel des HF-Signals mehr als 1.4V beträgt.

- Wellenform:

RF

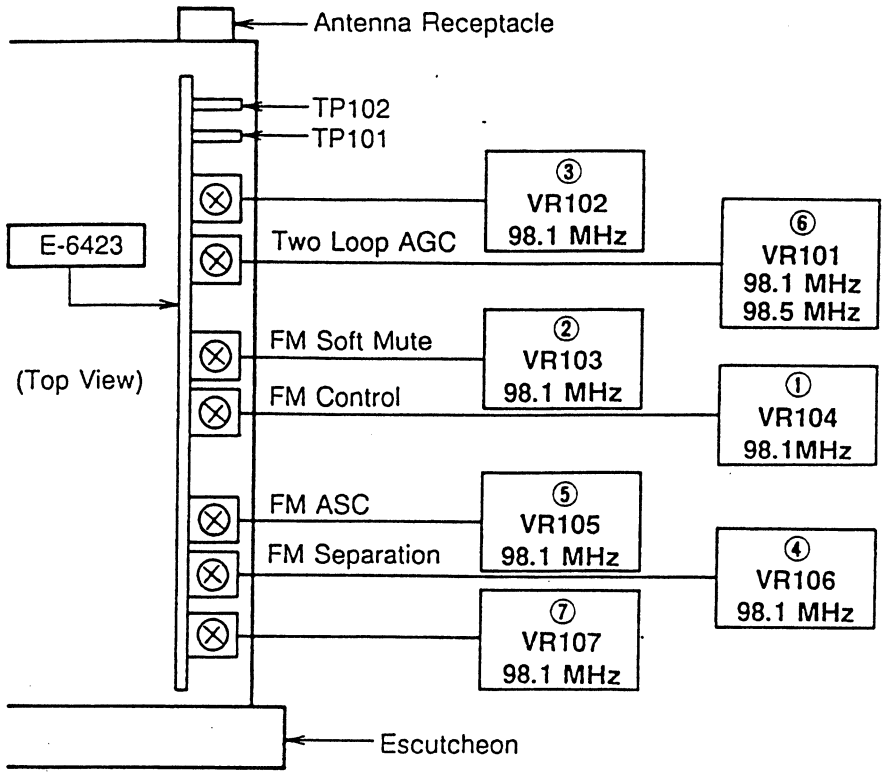


Mehr als 1.4V.

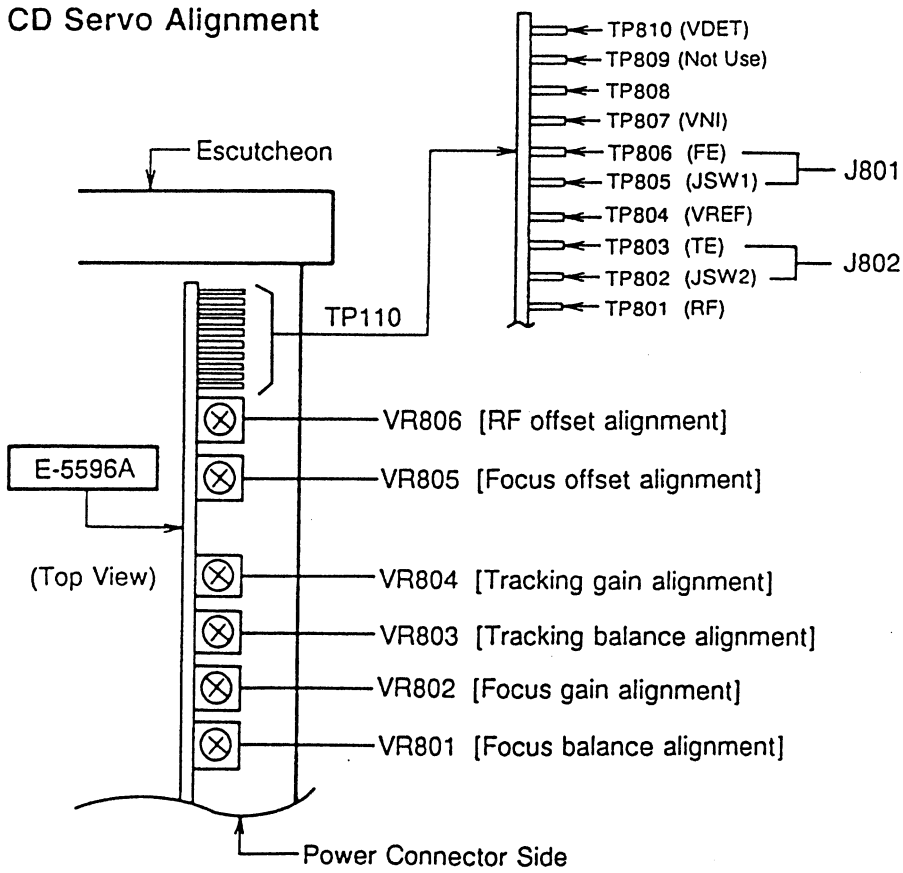
So einstellen, daß die Vertiefungen minimal sind.

ALIGNMENT POINTS / ABGLEICH PUNKTE

■ Radio (FM) Alignment



■ CD Servo Alignment



Replacement Parts List
Model NO. CQ-JV1020L VW PART NO. 357 035 192B

NOTES :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice : Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
4. Printed circuit board assembly with mark (NLA) is no longer available after production discontinuation of the complete set.

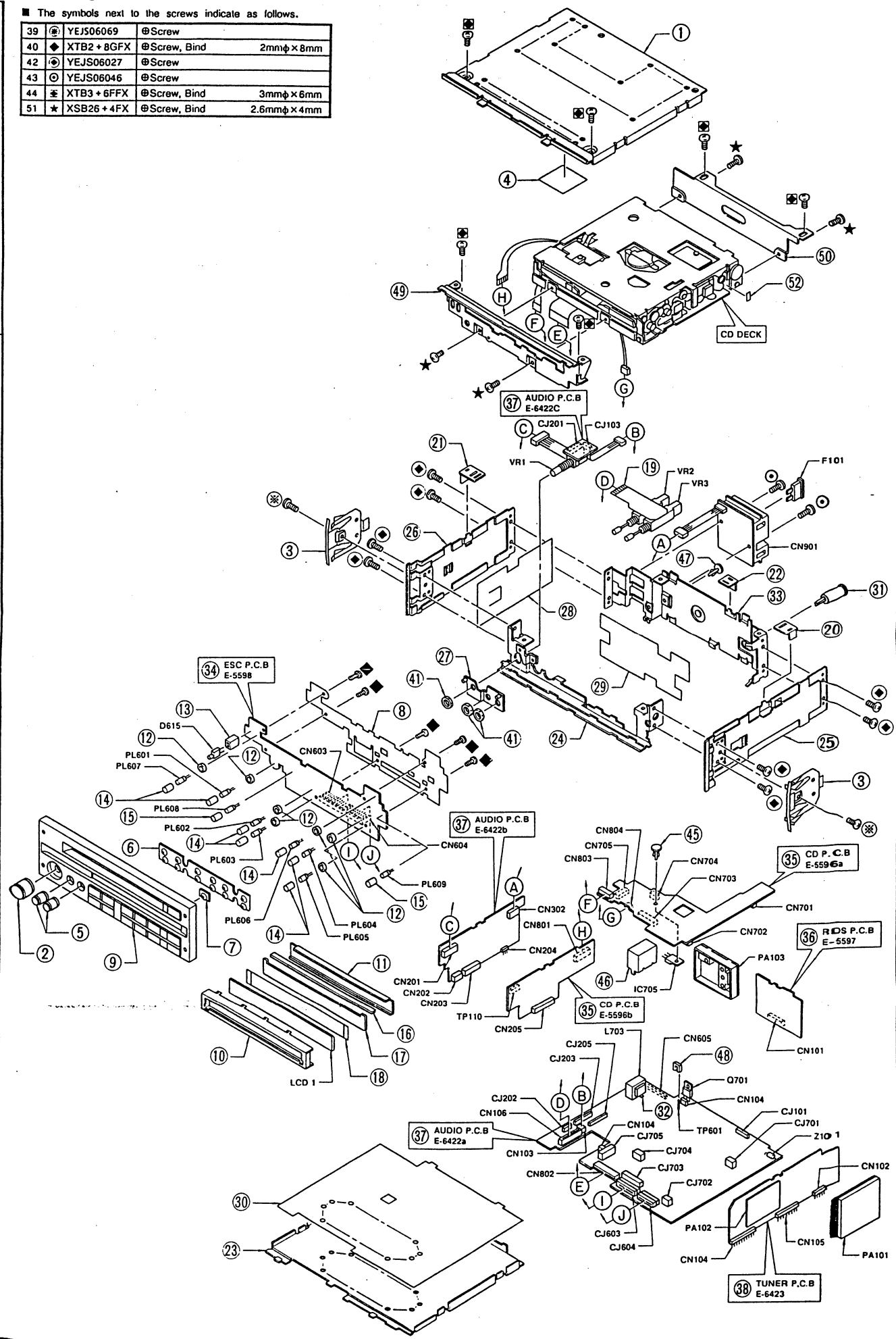
Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
			MISCELLANEOUS		
Z101 (1-C)	YEAL02007		Neon Tube	1	
F101 (3-C)	YEAF02003		Fuse	1	
PL601 to 606	YEAL01110		Pilot Lamp	6	
PL607 to 609	YEAL01146		Pilot Lamp	3	
CN101 (1-C)	YEAEBTE12P1R		12P Connector (E5597)	1	
CN102 (1-C)	YEAE0108ASLK		8P Connector (E6423)	1	
CN103 (1-B)	EMCS0450Z		4P Connector (E6422)	1	
CN104 (1-C)	YEAE0312ΠAA		Connector (E6422)	1	
CN104 (1-C)	YEAE0115ASLK		15P Connector (E6423)	1	
CN105 (1-C)	YEAE0112ASLK		12P Connector (E6423)	1	
CN106 (1-B)	YEAE5203020		20P Connector (E6422)	1	
CN201 (2-B)	EMCS0750ZL		7P Connector (E6422)	1	
CN202 (2-B)	YEAEBTE08P1R		8P Connector (E6422)	1	
CN203 (2-B)	YEAEBTE14P1R		14P Connector (E6422)	1	
CN204 (2-B)	YEAE0106ADL		6P Connector (E6422)	1	
CN205 (1-B)	YEAEBTE18P1R		18P Connector (E6596)	1	
CN302 (2-B)	EMCS0550ZL		5P Connector (E6422)	1	
CN603 (2-A)	YEAE0112TKCV		12P Connector (E5598)	1	
CN604 (2-B)	YEAE0110TKCV		10P Connector (E5598)	1	
CN605 (1-C)	YEAE0115ASLK		15P Connector (E6422)	1	
CN701 (2-C)	YEAEBTK06S2S		6P Connector (E5596)	1	
CN702 (2-C)	YEAEBTK08S2S		8P Connector (E5596)	1	
CN703 (2-C)	YEAEBTK20S2S		20P Connector (E5596)	1	
CN704 (2-C)	YEAEBTK08S2S		8P Connector (E5596)	1	
CN705 (2-B)	YEAEBTK14S2S		14P Connector (E5596)	1	
CN801 (2-B)	YEAE011470		11P Connector (E5596)	1	
CN802 (1-B)	YEAE011532		Connector (E6422)	1	
CN803 (2-B)	YEAE011533		Connector (E5596)	1	
CN804 (2-B)	EMCS0250ZL		2P Connector (E5596)	1	
CN901 (3-C)	EMCP26201AA		Power Connector	1	
CJ101 (1-C)	YEAEBTE12S1S		12P Connector (E6422)	1	
CJ103 (3-B)	EMCZ0406D85H		4P Connector (E6422)	1	
CJ201 (3-B)	EMCZ0705D66H		7P Connector (E6422)	1	
CJ202 (1-B)	YEAEBTE08S1S		8P Connector (E6422)	1	
CJ203 (1-B)	YEAEBTE14S1S		14P Connector (E6422)	1	
CJ205 (1-B)	YEAEBTE18S1S		18P Connector (E6422)	1	
CJ603 (1-C)	YEAE0112TKCX		12P Connector (E6422)	1	
CJ604 (1-C)	YEAE0110TKCX		10P Connector (E6422)	1	
CJ701 (1-C)	YEAEBTK06P2S		6P Connector (E6422)	1	
CJ702 (1-C)	YEAEBTK08P2S		8P Connector (E6422)	1	
CJ703 (1-C)	YEAEBTK20P2S		20P Connector (E6422)	1	
CJ704 (1-C)	YEAEBTK08P2S		8P Connector (E6422)	1	
CJ705 (1-C)	YEAEBTK14P2S		14P Connector (E6422)	1	
CJ801, 802	YEAE03167		Short Plug	2	
TP110 (1-B)	YEAE0110ASLK		10P Connector (E5596)	1	
1 (4-C)	YEFA031060		Upper Cover	1	
2 (2-A)	YEFE07419		Knob, Volume	1	
3 (3-A)(2-C)	YEFX0051559		Mounting Spring	2	
4 (4-B)	YEFV011308		Insulator	1	
5 (2-A)	YEFE11081		Knob Bass / Treble	2	
6 (2-A)	YEFR07061		Rubber Switch(Preset)	1	
7 (2-A)	YEFR07062		Rubber Switch(EJECT)	1	
8 (2-B)	YEFV011282A		Insulator	1	
9 (2-A)	YEFC023334		Escutcheon Assy	1	
10 (1-B)	YEFX0213019		Bracket for LCD	1	
11 (2-B)	YEFX018245		Mounting Base for LCD	1	
12 (2-A)(2-B)	YEFK04514		Pilot Lamp Holder	7	
13 (2-A)	YEFK04526		LED Holder	1	
14 (2-A)	YEFR04463		Illum Cap	7	

EXPLODED VIEW (UNIT)/AUFGELÖSTE DARSTELLUNG (GANZES GERÄT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

■ The symbols next to the screws indicate as follows.

39	㊉	YEJS06069	⊕Screw
40	◆	XTB2+8GFX	⊕Screw, Bind 2mmϕ×8mm
42	⊕	YEJS06027	⊕Screw
43	⊙	YEJS06046	⊕Screw
44	✱	XTB3+6FFX	⊕Screw, Bind 3mmϕ×6mm
51	★	XSB26+4FX	⊕Screw, Bind 2.6mmϕ×4mm



Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
15 (2-A)(2-B)	YEFR04443A		Illum Cap	2	
16 (1-B)	YEFS04474		Inter Connector	1	
17 (1-B)	YEFX0011085		Panel Light	1	
18 (1-B)	YEFX999883		Color Filter	1	
19 (3-C)	YEAP2302		Flexible PCB	1	
20 (3-C)	YEFX233377		PCB Holder (R)	1	
21 (3-B)	YEFX233378		PCB Holder (L)	1	
22 (3-C)	YEFX233379		PCB Holder (Rear)	1	
23 (1-A)	YEFA05480A		Under Cover	1	
24 (2-B)	YEFA07258		Front Plate	1	
25 (2-C)	YEFA09314AK		Side Plate (R)	1	
26 (3-B)	YEFA09315		Side Plate (L)	1	
27 (2-B)	YEFX0213020A		Bracket	1	
28 (3-B)	YEFV011283A		Insulator (L)	1	
29 (2-B)	YEFV011284A		Insulator (Rear)	1	
30 (1-A)	YEFV011285A		Insulator (Under)	1	
31 (3-C)	YEAA10051		Antenna Receptacle	1	
32 (1-C)	YEFV011149		Insulator	1	
33 (3-C)	YEFA08347		Back Plate	1	
34 (2-A)	YEP0PT5598A0		PCB w / Component (ESC)	1	NLA
35 (1-B)(2-C)	YEP0PT5596A0		PCB w / Component (CD)	1	NLA
36 (2-C)	YEP0PT5597A0		PCB w / Component (RDS)	1	NLA
37 (1-B)(2-B)	YEP0PT6422A0		PCB w / Component (AUDIO)	1	NLA
38 (1-C)	YEP0PT6423A0		PCB w / Component (TUNER)	1	NLA
39 ⊛	YEJS06069		Screw	2	
40 ◆	XTB2+8GFX		Screw	5	
41 (2-B)	YEJN01057		Nut (M7)	3	
42 ◉	YEJS06027		Screw	8	
43 ⊙	YEJS06046		Screw	2	
44 ▣	XTB3+6FFX		Screw	7	
45 (2-C)	YEFJ05023		Rivet	1	
46 (2-C)	YEFA13504		Case	1	
47 (3-C)	YEFJ05030		Rivet	1	
48 (1-C)	YEFX007414		Cord Clamp	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
49 (4-B)	YEFX0213021		Bracket for Deck (Front)	1	
50 (4-C)	YEFX0213022		Bracket for Deck (Rear)	1	
51 ★	XSB26+4FX		Screw	4	
52 (4-C)	YEFS01914		Pad	1	

ICs AND TRANSISTORS

AUDIO MAIN BLOCK

[E6422A]

PA103	YEP0PTS518A0		PCB w/Component	1	
IC108	YEAMHL23S		IC	1	
IC201	YEAMPC4570T1		IC	1	
IC202	YEAMM5218FT1		IC	1	
IC203	YEAMM5218FT1		IC	1	
IC204	YEAMPC358G		IC	1	
IC205	YEAMPD4052BG		IC	1	
IC301	YEAMM5218FT1		IC	1	
IC302	YEAMPC4570T1		IC	1	
IC601	YEAM78214522		IC	1	
IC605	AN78N05		IC	1	
IC606	YEAMTC4S66FL		IC	1	
IC607	YEAMSM161907		IC	1	
IC701	AN7805		IC	1	
IC702	MN1280O		IC	1	
IC703	AN6701ST1		IC	1	
IC704	YEAMM5231TL		IC	1	
IC707	YEAMUPC78N08		IC	1	
IC710	YEAMPC78L05T		IC	1	
IC711	YEAM78L08T3		IC	1	
IC713	AN78N05		IC	1	
IC714	YEAMPC78L05T		IC	1	
IC716	YEAMLMC555CM		IC	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
IC807	YEAMPC4570T1		IC	1	
IC808	YEAMTA8406P		IC	1	
IC809	YEAMTA8406F		IC	1	
IC810	YEAMPC4570T1		IC	1	
IC811	YEAMTA8406P		IC	1	
IC812	YEAMTA8406F		IC	1	
IC813	MN4071BST1		IC	1	
IC814	YEAMTC4S66FL		IC	1	
IC815	YEAMPD4053BG		IC	1	
IC816	YEAMUPD6353G		IC	1	
IC817	YEAMTC4S66FL		IC	1	
IC818	AN1393ST1		IC	1	
IC819	YEAMPD4081BG		IC	1	
IC820	YEAMPD4013GB		IC	1	
IC821	YEAMPD4011BG		IC	1	
IC822	YEAMPD4528BG		IC	1	
IC824	YEAM75112580		LSI	1	
IC825	YEAMUPD6354G		IC	1	
IC826	MN6471		IC	1	
Q104	YEANC144EKT		Transistor	1	
Q105	YEANC1623		Transistor	1	
Q106	YEANC144EKT		Transistor	1	
Q107	YEANC1623		Transistor	1	
Q108	YEANA812		Transistor	1	
Q109	YEANHQ1F3PT2		Transistor	1	
Q110	YEANC1623		Transistor	1	
Q111	YEANC144EKT		Transistor	1	
Q201	YEANC1623		Transistor	1	
Q202, 203	2SD1030TX		Transistor	2	
Q204	YEANA812		Transistor	1	
Q205	YEAN2SC3576		Transistor	1	
Q206	YEANC1623		Transistor	1	
Q301	YEANC1623		Transistor	1	
Q302, 303	2SD1030TX		Transistor	2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
Q304	YEANA812		Transistor	1	
Q305	YEANC144EKT		Transistor	1	
Q306	YEANC144EKT		Transistor	1	
Q308	YEANC1623		Transistor	1	
Q601	YEANFN3L4ZT2		Transistor	1	
Q602	YEANFN3L4ZT2		Transistor	1	
Q603	YEANFN3L4ZT2		Transistor	1	
Q604, 605	YEANFA3L4ZT1		Transistor	2	
Q606	YEANFN3L4ZT1		Transistor	1	
Q615	YEAN2SK536		Transistor	1	
Q616	YEAN2SK536		Transistor	1	
Q617	YEANC144EKT		Transistor	1	
Q622	YEANC144EKT		Transistor	1	
Q701	2SB943		Transistor	1	
Q702	YEANC144EKT		Transistor	1	
Q703	2SB819		Transistor	1	
Q706	2SB929PQ		Transistor	1	
Q708	YEANC1623		Transistor	1	
Q709	2SD1244		Transistor	1	
Q714	YEANA144EKT		Transistor	1	
Q715	2SB956TX		Transistor	1	
Q716	YEANC1623		Transistor	1	
Q718	YEANC144EKT		Transistor	1	
Q719	YEANA812		Transistor	1	
Q722	YEANA144EKT		Transistor	1	
Q723	YEANC144EKT		Transistor	1	
Q803	2SB819		Transistor	1	
Q804	2SD1244		Transistor	1	
Q805	YEANC1621T1		Transistor	1	
Q806	YEANA1462T1		Transistor	1	
Q807	YEANC1621T1		Transistor	1	
Q808	YEANA1462T2		Transistor	1	
Q809, 810	YEANC1621T1		Transistor	2	
Q811	YEANA1462T2		Transistor	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
Q812, 813	YEANC1621T1		Transistor	2	
Q814	YEANA1462T1		Transistor	1	
Q815, 816	YEANC1621T2		Transistor	2	
Q817	YEANC144EKT		Transistor	1	
Q818	YEANA812		Transistor	1	
Q819 to 821	YEANC144EKT		Transistor	3	
Q824	YEANC144EKT		Transistor	1	
Q825	YEANA144EKT		Transistor	1	
Q826	YEANA144EKT		Transistor	1	
[E6423]		TUNER BLOCK			
PA101	YEP0PTS323A0		PCB w/Component	1	
PA102	YEP0PTS333A0		PCB w/Component	1	
IC104	YEAMTDA1579T		IC	1	
IC105	YEAMM5218FT1		IC	1	
IC110	YEAMM5218FT1		IC	1	
IC604	YEAMLC7218M		IC	1	
Q101	YEANC144EKT		Transistor	1	
Q102	YEANC1623T1		Transistor	1	
Q103	YEANC144EKT		Transistor	1	
[E5507]		RDS BLOCK			
IC101	YEAMM5218FT1		IC	1	
IC102	YEAMLM2901M		IC	1	
IC103	YEAMSAF7579T		IC	1	
IC106	YEAM17102012		IC	1	
IC109	MN1280Q		IC	1	
Q133	YEANC144EKT		Transistor	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E5506A]		CD BLOCK			
IC602	MN1280Q		IC	1	
IC603	YEAMPD4094BG		IC	1	
IC611	YEAMPD4001BG		IC	1	
IC613	YEAMTC4S66FR		IC	1	
IC686	AN6701ST1		IC	1	
IC687	AN6552S		IC	1	
IC705	YEAMUPC78M08		IC	1	
IC706	YEAMM51945BF		IC	1	
IC709	YEAMLA5010M		IC	1	
IC715	YEAMM51945AF		IC	1	
IC801	YEAMUPC842G		IC	1	
IC802	YEAMUPC1339G		IC	1	
IC803	YEAMPD4053BG		IC	1	
IC804	YEAMNJM2904M		IC	1	
IC805	YEAMUPC842G		IC	1	
IC806	AN6608		IC	1	
IC823	YEAMTC4S66FR		IC	1	
Q607	YEANFA3L4ZT1		Transistor	1	
Q608	YEANFA3L4ZT1		Transistor	1	
Q609	YEANFA3L4ZT1		Transistor	1	
Q610	YEANFA3L4ZT1		Transistor	1	
Q611	YEANFA3L4ZT1		Transistor	1	
Q612	YEANFA3L4ZT1		Transistor	1	
Q613	YEANFA3L4ZT1		Transistor	1	
Q614	YEANFA3L4ZT1		Transistor	1	
Q623	YEANC1623T1		Transistor	1	
Q720	YEANC1623T1		Transistor	1	
Q721	2SD1030TX		Transistor	1	
Q801, 802	YEANA812		Transistor	2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E5598]			**ESC BLOCK**		
IC612	YEAMHD44780		IC	1	

DIODE

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E6422A]			**AUDIO MAIN BLOCK**		
D102	MA151ATW		Diode	1	
D201	MA159TX		Diode	1	
D202	MA151WK		Diode	1	
D203	MA4047MHTA		Diode	1	
D204	MA151ATW		Diode	1	
D205 to 208	MA4027TA		Diode	4	
D302	MA151WK		Diode	1	
D303	MA151ATW		Diode	1	
D603	MA721TX		Diode	1	
D609	MA151K		Diode	1	
D610	MA159TW		Diode	1	
D611	MA159TW		Diode	1	
D701	YEAD11ES2		Diode	1	
D703	MA4047MHTA		Diode	1	
D704	YEADRD51JB3		Diode	1	
D705	YEAD11ES2		Diode	1	
D707	YEAD11ES2		Diode	1	
D708	YEADRD56JB3		Diode	1	
D710	MA151K		Diode	1	
D711	MA151K		Diode	1	
D712	MA151WA		Diode	1	
D715	MA151ATW		Diode	1	
D802, 803	YEAD11ES2		Diode	2	
D804	MA153TW		Diode	1	
D805	MA151K		Diode	1	
D806	MA151WA		Diode	1	
D809	MA151ATW		Diode	1	
D810	MA151WK		Diode	1	
[E6423]			**TUNER BLOCK**		
D101	MA151K		Diode	1	
[E5598]			**ESC BLOCK**		
D612	MA159TW		Diode	1	
D614	MA151K		Diode	1	
D615	LN222RP		LED	1	
[E5596A]			**CD BLOCK**		
D618	MA153		Diode	1	
D622	MA151A		Diode	1	
D623	MA151WK		Diode	1	
D625	MA151WK		Diode	1	
D716	MA151K		Diode	1	
D801	MA153		Diode	1	

CAPACITORS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E6422A]			**AUDIO MAIN BLOCK**		
C117	YECUS1H272KX		Ceramic, 0.0027 MFD 50WV	1	
C119	YECUS1E223KX		Ceramic, 0.022 MFD 25WV	1	
C120	YECUS1E223KX		Ceramic, 0.022 MFD 25WV	1	
C121	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C122	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C123	YECSV1CT106R		Tantalum, 10 MFD 16MFD	1	
C124	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C125	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C166	YECUV1H223KX		Ceramic, 0.022 MFD 50WV	1	
C167	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C168	YECUS1H332KX		Ceramic, 0.0033 MFD 50WV	1	
C177	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C201	YECUS1H683ZF		Ceramic, 0.068 MFD 50WV	1	
C202	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C203	YECUS1H392KX		Ceramic, 0.0039 MFD 50WV	1	
C204	YECUS1H101JM		Ceramic, 100 PF 50WV	1	
C205	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C206	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C207, 208	YECSV1VT224L		Ceramic, 0.22 MFD 35WV	2	
C209, 210	YECUS1H271JM		Ceramic, 270 PF 50WV	2	
C211	ECEA1CKS100		Electrolytic AL, 10 MFD 16WV	1	
C215	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C216	YECUS1H121JM		Ceramic, 120 PF 50WV	1	
C218	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C219	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C220, 221	YECUS1E393KX		Ceramic, 0.039 MFD 25WV	2	
C222	YECUS1H561KX		Ceramic, 560 PF 50WV	1	
C223	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C224	ECEA1HKS0R1		Electrolytic AL,0.1 MFD 50WV	1	
C225	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C226	ECEA1CKS101		Electrolytic AL,100 MFD 16WV	1	
C227	YECSV1VT224R		Tantalum, 0.22 MFD 35WV	1	
C228	YECUS1H471JM		Ceramic, 470 PF 50WV	1	
C229	ECEA1HKS0R1		Electrolytic AL,0.1 MFD 50WV	1	
C230	YECUS1H390JM		Ceramic, 39 PF 50WV	1	
C231	ECEA0JKS220		Electrolytic AL,22 MFD 6.3WV	1	
C232	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C233	YECSV1CT106L		Ceramic, 10 MFD 16WV	1	
C234	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C235	ECEA1CKS220		Electrolytic AL,22 MFD 16WV	1	
C236	ECEA1AKS221		Electrolytic AL,220 MFD 10WV	1	
C237	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C238	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C239	YECUS1C224ZF		Ceramic, 0.22 MFD 16WV	1	
C240	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C241	YECUS1H683ZF		Ceramic, 0.068 MFD 50WV	1	
C242	ECEA1AKS330		Electrolytic AL,33 MFD 10WV	1	
C243	ECEA1CKS220		Electrolytic AL,22 MFD 16WV	1	
C244	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C245	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C246	YECSV1VT334L		Tantalum, 0.33 MFD 35WV	1	
C247	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C248	ECEA1CKS220		Electrolytic AL,22 MFD 16WV	1	
C249	ECEA0JKS331		Electrolytic AL,330 MFD 6.3WV	1	
C250	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C251	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C301	YECUS1H683ZF		Ceramic, 0.068 MFD 50WV	1	
C302	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C303	YECUS1H392KX		Ceramic, 0.0039 MFD 50WV	1	
C304	YECUS1H101JM		Ceramic, 100 PF 50WV	1	
C305	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C306	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C307, 308	YECSV1VT224L		Tantalum, 0.22 MFD 35WV	2	
C309, 310	YECUS1H271JM		Ceramic, 270 PF 50WV	2	

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C311	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C315	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C316	YECUS1H121JM		Ceramic, 120 PF 50WV	1	
C318	YECSV1CT106R		Tantalum, 10 MFD 16WV	1	
C319	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C320, 321	YECUS1E393KX		Ceramic, 0.039 PF 25WV	2	
C322	YECUS1H561KX		Ceramic, 560 PF 50WV	1	
C323	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C324	ECEA1HKS0R1		Electrolytic AL,0.1 MFD 50WV	1	
C325	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C326	ECEA1CKS101		Electrolytic AL,100 MFD 16WV	1	
C327	YECSV1VT224R		Tantalum, 0.22 MFD 35WV	1	
C328	YECUS1H471JM		Ceramic, 470 PF 50WV	1	
C329	ECEA1HKS0R1		Electrolytic AL,0.1 MFD 50WV	1	
C330	YECUS1H390JM		Ceramic, 39 PF 50WV	1	
C331	ECEA0JKS220		Electrolytic AL,22 MFD 6.3WV	1	
C332	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C333	YECSV1CT106R		Tantalum, 10 MFD 16WV	1	
C334	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C335	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C336	YECUS1C224ZF		Ceramic, 0.22 MFD 12WV	1	
C338	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C350	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C351	YECUS1H332KX		Ceramic, 0.0033 MFD 50WV	1	
C352	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C601, 602	YECUS1H270JM		Ceramic, 27 PF 50WV	2	
C604	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	1	
C605, 606	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C609	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C610	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C611	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C612	ECSF1VE475		Tantalum, 4.7 MFD 35WV	1	
C619	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C620	ECSF1VE474		Tantalum, 0.4 MFD 35WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C621	YECUS1C563KX		Ceramic, 0.056 MFD 16WV	1	
C622	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C627	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C628	ECEA1CKS470		Electrolytic AL,47 MFD 16WV	1	
C629	ECEA1CKS101		Electrolytic AL,100 MFD 16WV	1	
C630	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C631, 632	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C633	YECUS1H331JM		Ceramic, 330 PF 50WV	1	
C634	YECUS1H222KX		Ceramic, 0.0022 MFD 50WV	1	
C635	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C636	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C641	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C643	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C644	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C646	YECUS1H221JM		Ceramic, 220 PF 50WV	1	
C654	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C655	ECEA1CKS220		Electrolytic AL,22 MFD 16WV	1	
C656	YECUS1C224ZF		Ceramic, 0.22 MFD 16WV	1	
C664	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C669 to 671	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	3	
C680	YEU05B101K		Ceramic, 100PF 50WV	1	
C692, 693	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	2	
C698	YECUS1H471JM		Ceramic, 470 PF 50WV	1	
C701	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C702	ECEA0JKS331Q		Electrolytic AL,330 MFD 6.3WV	1	
C703 to 705	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	3	
C706	YECUS1C224ZF		Ceramic, 0.22 MFD 16WV	1	
C707	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C708	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C712	ECEA1CU471		Electrolytic AL,470 MFD 16WV	1	
C713, 714	ECEA1CU102Y		Electrolytic AL,1000 MFD 16WV	2	
C717	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C718	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C721	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C730	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C734	ECEA1AKS470		Electrolytic AL,47 MFD 10WV	1	
C735	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C736, 737	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C738	ECEA1AU102		Electrolytic AL,1000 MFD 10WV	1	
C741	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C743	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C747	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	1	
C749	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C750	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C751	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C752	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C831	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C835	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C837	YECUS1H122KX		Ceramic, 0.0012 MFD 50WV	1	
C838	YECUS1E333KX		Ceramic, 0.033 MFD 25WV	1	
C839	YECUV1C224KX		Ceramic, 0.22 MFD 16WV	1	
C840	YECUS1H822KX		Ceramic, 0.0082 MFD 50WV	1	
C841	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C842	YECUS1H472KX		Ceramic, 0.0047 MFD 50WV	1	
C843	YECUS1H221JM		Ceramic, 220 PF 50WV	1	
C844	YECUS1H820JM		Ceramic, 82 PF 50WV	1	
C845	YECSV1CT105L		Ceramic, 1 MFD 16WV	1	
C846	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C847	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C849	YECUV1C104KX		Ceramic, 0.1 MFD 16WV	1	
C850	ECEA1CSN4R7		Electrolytic AL,4.7 MFD 16WV	1	
C851	ECEA1HKS2R2		Electrolytic AL,2.2 MFD 50WV	1	
C852	YECUS1H820JM		Ceramic, 82 PF 50WV	1	
C853	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C854	YECUS1H103KX		Ceramic, 0.1 MFD 50WV	1	
C855	ECEA1AU101		Electrolytic AL,100 MFD 10WV	1	
C856	YECUS1H151JM		Ceramic, 150 PF 50WV	1	
C857	YECSV0JT476R		Tantalum, 47 MFD 6.3WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C858	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C859	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C860	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C861, 862	YECUV1C224KX		Ceramic, 0.22 MFD 16WV	2	
C863	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C864	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C865	YECUV2A332KX		Ceramic, 0.0033 MFD 100WV	1	
C866	YECUV2A332KX		Ceramic, 0.0033 MFD 100WV	1	
C867	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C868	YECUS1C104KX		Ceramic, 0.1 MFD 16WV	1	
C869 to 872	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	4	
C873	YECSV1CT105R		Ceramic, 1 MFD 16WV	1	
C874	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C875	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C876	YECUS1H682KX		Ceramic, 0.0068 MFD 50WV	1	
C877	YECUS1C104KX		Ceramic, 0.1 MFD 16WV	1	
C879, 880	YECUS1H330JM		Ceramic, 33 PF 50WV	2	
C881	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	1	
C882	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C883	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C884	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C885	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	1	
C886	YECUS1H220JM		Ceramic, 22 PF 50WV	1	
C887	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C888	YECUS1H100DM		Ceramic, 10 PF 50WV	1	
C889, 890	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	2	
C891	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C892, 893	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	2	
C894	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C895, 896	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
CS601, 602	YECCL55S222T			2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E6423]			**TUNER BLOCK**		
C101	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C103	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C104	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C105	ECEA1AKS101		Electrolytic AL,100 MFD 10WV	1	
C106	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C108	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C110	YECUS1E223KX		Ceramic, 0.022 MFD 25WV	1	
C111, 112	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C114	YECUS1H471JM		Ceramic, 470 PF 50WV	1	
C115	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C116	YEU05B101K		Ceramic, 100PF 50WV	1	
C140	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C141	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C143, 144	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C149 to 152	ECQV1H683JZ		Polyester, 0.068 MFD 50WV	4	
C153, 154	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C155	YECUS1E473KX		Ceramic, 0.047 MFD 25WV	1	
C156	YECSV1AT475R		Tantalum, 4.75 MFD 10WV	1	
C157	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C158, 159	ECQV1H683JZ		Polyester, 0.068 MFD 50WV	2	
C197	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C212	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C213	YECUS1H472KX		Ceramic, 0.0047 MFD 50WV	1	
C312	YECUS1H153KX		Ceramic, 0.015 MFD 50WV	1	
C313	YECUS1H472KX		Ceramic, 0.0047 MFD 50WV	1	
C613, 614	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C615 to 618	YECUS1H101JM		Ceramic, 100 PF 50WV	4	
C624	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C625, 626	YECUS1H150JM		Ceramic, 15 PF 50WV	2	
C658	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C662, 663	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E5597]			**RDS BLOCK**		
C126	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C127	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C128	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	1	
C129	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C130	YECSV1CT106R		Tantalum, 10 MFD 16WV	1	
C131	ECEA1AKS470		Electrolytic AL,47 MFD 10WV	1	
C132	ECEA0JKS470		Electrolytic AL,47 MFD 6.3WV	1	
C133, 134	YECUS1H330JM		Ceramic, 33 PF 50WV	2	
C135	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C138	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C160	YECUS1H150JM		Ceramic, 15 PF 50WV	1	
C170	YECUS1H150JM		Ceramic, 15 PF 50WV	1	
C171	YECSV0JT476R		Tantalum, 47 MFD 6.3WV	1	
C172	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C173	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
[E5596A]			**CD BLOCK**		
C607	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C608	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C642	ECEA1VSN2R2		Electrolytic AL,2.2 MFD 35WV	1	
C647, 648	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	2	
C665	YECSV1CT105R		Tantalum, 1 MFD 16WV	1	
C666	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C667, 668	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C710, 711	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C725	YECSV1CT105L		Tantalum, 1 MFD 16WV	1	
C726	YECUS1C224ZF		Ceramic, 0.22 MFD 16WV	1	
C728, 729	ECEA1CKS101		Electrolytic AL,100 MFD 16WV	2	
C753	ECEA1CKS470		Electrolytic AL,47 MFD 16WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C791, 794	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C801	YECSV0JT476L		Tantalum, 47 MFD 6.3WV	1	
C802	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C803	YECSV0JT476L		Tantalum, 47 MFD 6.3WV	1	
C804	ECEA1CKS100		Electrolytic AL,10 MFD 16WV	1	
C805, 806	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	2	
C807	ECEA0JKS101		Electrolytic AL,100 MFD 6.3WV	1	
C808, 809	YECUS1H391JM		Ceramic, 390 PF 50WV	2	
C810	YECSV0JT476L		Tantalum, 47 MFD 6.3WV	1	
C811	YECUS1E104ZF		Ceramic, 0.1 MFD 25WV	1	
C812	YECUS1H330JM		Ceramic, 33 PF 50WV	1	
C813	YECUS1H392KX		Ceramic, 0.0039 MFD 50WV	1	
C814 to 817	YECUS1H102KX		Ceramic, 0.001 MFD 50WV	4	
C818	YECSV0JT476L		Tantalum, 47 MFD 6.3WV	1	
C820	YECSV0JT476L		Tantalum, 47 MFD 6.3WV	1	
C821	YECSV1CT106L		Tantalum, 10 MFD 16WV	1	
C822 to 825	YECUV1C224KX		Ceramic, 0.22 MFD 16WV	4	
C826	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C827, 828	YECSV1CT105R		Tantalum, 1 MFD 16WV	2	
C829	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
C830	YECUV1E823KX		Ceramic, 0.082 MFD 25WV	1	
C832	YECUS1E223KX		Ceramic, 0.022 MFD 25WV	1	
C833	YECSV1AT475L		Tantalum, 4.7 MFD 10WV	1	
C834	YECSV1CT106R		Tantalum, 10 MFD 16WV	1	
C878	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	
[E5598]			**ESC BLOCK**		
C690	YECUS1H103KX		Ceramic, 0.01 MFD 50WV	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
			RESISTORS		
[E6422A]			**AUDIO MAIN BLOCK**		
R118	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R119	ERJ6GEYJ182		Metal Coat, 1.8K ohms 0.1W	1	
R120	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R121	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R122	ERJ6GEYJ471		Metal Coat, 470 ohms 0.1W	1	
R123	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R124, 125	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R126	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R127	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R128, 129	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
R182	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R183	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R184	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R187	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R190	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R201	ERJ8GCYJ122		Metal Coat, 1.2K ohms 0.13W	1	
R202	ERJ8GCYJ221		Metal Coat, 220 ohms 0.13W	1	
R203	ERJ6GEYJ561		Metal Coat, 560 ohms 0.1W	1	
R204	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R205, 206	ERJ6GEYJ272		Metal Coat, 2.7K ohms 0.1W	2	
R207	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R208	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R209, 210	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R211, 212	ERJ8GCYJ103		Metal Coat, 10K ohms 0.13W	2	
R216	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R217	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R218	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R219	ERJ8GEYJ823		Metal Coat, 82K ohms 0.13W	1	
R220	ERJ6GEYJ822		Metal Coat, 8.2K ohms 0.1W	1	
R221	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R222	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R223	ERJ8GCYJ223		Metal Coat, 22K ohms 0.13W	1	
R224	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R225	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R226	ERJ6GEYJ392		Metal Coat, 3.9K ohms 0.1W	1	
R228	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R231	ERJ6GEYJ393		Metal Coat, 39K ohms 0.1W	1	
R232	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R233	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R234	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R236	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R237	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R238	ERJ6GEYJ393		Metal Coat, 39K ohms 0.1W	1	
R239	ERJ6GEYJ821		Metal Coat, 820 ohms 0.1W	1	
R240	ERJ6GEYJ560		Metal Coat, 56 ohms 0.1W	1	
R241	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R242	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R245	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R246, 247	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	2	
R248, 249	ERJ6GEYJ563		Metal Coat, 56K ohms 0.1W	2	
R250	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R251	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R253	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R254	ERJ6GEYJ334		Metal Coat, 330K ohms 0.1W	1	
R255	ERJ6GEYJ333		Metal Coat, 33K ohms 0.1W	1	
R256	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R257	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R258	ERJ6GEYJ274		Metal Coat, 270K ohms 0.1W	1	
R259	ERJ6GEYJ154		Metal Coat, 150K ohms 0.1W	1	
R260	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R261	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	
R262	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R263	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R265	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R266	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R267	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R268	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R269	ERJ6GEYJ823		Metal Coat, 82K ohms 0.1W	1	
R270	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R272	ERJ6GEYJ682		Metal Coat, 6.8K ohms 0.1W	1	
R273, 274	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
R275	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R276	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R277	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R301	ERJ8GCYJ122		Metal Coat, 1.2K ohms 0.13W	1	
R302	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R303	ERJ8GCYJ561		Metal Coat, 560 ohms 0.1W	1	
R304	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R305, 306	ERJ6GEYJ272		Metal Coat, 2.7K ohms 0.1W	2	
R307	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R308	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R309, 310	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R311, 312	ERJ8GCYJ103		Metal Coat, 10K ohms 0.13W	2	
R313	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R315	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R316	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R317	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R318	ERJ6GEYJ822		Metal Coat, 8.2K ohms 0.1W	1	
R319	ERJ6GEYJ823		Metal Coat, 82K ohms 0.1W	1	
R320	ERJ6GEYJ822		Metal Coat, 8.2K ohms 0.1W	1	
R321	ERJ8GCYJ332		Metal Coat, 3.3K ohms 0.13W	1	
R322	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R323	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R324	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R325	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R326	ERJ6GEYJ392		Metal Coat, 3.9K ohms 0.1W	1	
R327	ERJ6GEYJ471		Metal Coat, 470 ohms 0.1W	1	
R328	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R331	ERJ6GEYJ393		Metal Coat, 39K ohms 0.1W	1	
R332	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R333	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R334	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R336	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R337	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R338	ERJ6GEYJ393		Metal Coat, 39K ohms 0.1W	1	
R339	ERJ6GEYJ821		Metal Coat, 820 ohms 0.1W	1	
R340	ERJ6GEYJ560		Metal Coat, 56 ohms 0.1W	1	
R341	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R342	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R345	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R346	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R347	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R348, 349	ERJ6GEYJ563		Metal Coat, 56K ohms 0.1W	2	
R350	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R352	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R353	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R355	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R358	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R359	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R372	ERJ6GEYJ682		Metal Coat, 6.8K ohms 0.1W	1	
R373	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R374	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R375	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R376	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R377	ERJ6GEYJ682		Metal Coat, 6.8K ohms 0.1W	1	
R378	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R608, 609	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
R610	ERJ8GCYJ473		Metal Coat, 47K ohms 0.13W	1	
R611	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R612	ERJ8GCYJ152		Metal Coat, 1.5K ohms 0.13W	1	
R613	ERJ6GEYJ561		Metal Coat, 560 ohms 0.1W	1	
R614	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R615	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R616	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	1	
R617	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R621	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R622	ERJ6GEYJ561		Metal Coat, 560 ohms 0.1W	1	
R623	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	1	
R624	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R625	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R626 to 628	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	3	
R629	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R669	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R656	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R670	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R701	ERJ6GEYJ271		Metal Coat, 270 ohms 0.1W	1	
R702	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R704	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R705	ERJ8GCYJ473		Metal Coat, 47K ohms 0.13W	1	
R706	ERJ12YJ102H		Carbon, 1K ohms 0.5W	1	
R707	ERJ6GEYJ331		Metal Coat, 330 ohms 0.1W	1	
R708	ERJ6GEYJ561		Metal Coat, 560 ohms 0.1W	1	
R709	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R710	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R712	ERX1SJ2R2		Carbon, 2.2 ohms 1W	1	
R721	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R722	ERJ12YJ561H		Carbon, 560 ohms 0.5W	1	
R723	ERJ8GCYJ103		Metal Coat, 10K ohms 0.13W	1	
R724	ERJ12YJ100H		Carbon, 10 ohms 0.5W	1	
R725	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R737	ERJ8GCYJ102		Metal Coat, 1K ohms 0.13W	1	
R738	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R743	ERJ12YJ102H		Carbon, 1K ohms 0.5W	1	
R744	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R751	ERJ6GEYJ333		Metal Coat, 33K ohms 0.1W	1	
R752	ERJ6GEYJ154		Metal Coat, 150K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R754	ERJ6GEYJ154		Metal Coat, 150K ohms 0.1W	1	
R755	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R756	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R764	ERDS2TJ100		Carbon, 10 ohms 0.25W	1	
R765	ERJ8GCYJ104		Metal Coat, 100K ohms 0.13W	1	
R767	ERJ6GCYJ391		Metal Coat, 390 ohms 0.1W	1	
R848	ERJ12YJ221H		Carbon, 220 ohms 0.5W	1	
R849	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R850	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R851	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R852	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R853	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R859	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	1	
R860 to 862	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	3	
R863	ERJ6GEYJ823		Metal Coat, 82K ohms 0.1W	1	
R864	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R865	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R866	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R867	ERJ6GEYJ273		Metal Coat, 27K ohms 0.1W	1	
R868	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R869	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R870	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R871	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R872, 873	ERJ8GCYJ472		Metal Coat, 4.7K ohms 0.13W	2	
R874 to 877	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	4	
R878, 879	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
R880	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R881	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R882	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R883	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R884	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R885, 886	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	2	
R887	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R888	ERJ6GEYJ823		Metal Coat, 82K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R889	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R890	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R891, 892	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R893, 894	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	2	
R895	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R896	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R897	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R898 to 901	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	4	
R902	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R903, 904	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	2	
R905	ERJ6GEYJ124		Metal Coat, 120K ohms 0.1W	1	
R906	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R907	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	
R908, 909	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	2	
R910, 911	ERJ6ENF1002		Metal Coat, 10K ohms 0.1W	2	
R912	ERJ8GCYJ1R5		Metal Coat, 1.5 ohms 0.13W	1	
R913, 914	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	2	
R915 to 917	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	3	
R918, 919	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	2	
R920, 921	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	2	
R923	ERJ6GEYJ471		Metal Coat, 470 ohms 0.1W	1	
R924	ERJ6GEYJ333		Metal Coat, 33K ohms 0.1W	1	
R925	ERJ6GEYJ563		Metal Coat, 56K ohms 0.1W	1	
R926	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R927	ERJ8GCYJ223		Metal Coat, 22K ohms 0.13W	1	
R928	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R929	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R930	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R931	ERJ6GEYJ271		Metal Coat, 270 ohms 0.1W	1	
R932	ERJ6GEYJ331		Metal Coat, 330 ohms 0.1W	1	
R933	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R934	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R935	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R936	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R937	ERJ8GCYJ472		Metal Coat, 4.7K ohms 0.13W	1	
R938, 939	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	2	
R940	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	1	
R941, 942	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R943	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	1	
R944	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R945	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R946	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R947	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R950, 951	ERJ8GCYJ103		Metal Coat, 10K ohms 0.13W	2	
R952	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R955	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R956	ERJ8GCYJ223		Metal Coat, 22K ohms 0.13W	1	
R957	ERJ8GCYJ103		Metal Coat, 10K ohms 0.13W	1	
R958	ERJ6GEYJ471		Metal Coat, 470 ohms 0.1W	1	
R960	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	

TUNER BLOCK

[E6423]

R101	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R102	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	1	
R103	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R104	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R105, 106	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	2	
R107	ERJ6GEYJ123		Metal Coat, 12K ohms 0.1W	1	
R108	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R111	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R112	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R113	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R114	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R115	ERJ6GEYJ394		Metal Coat, 390K ohms 0.1W	1	
R116	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R141	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R143	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R145	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R146, 147	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
R157	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R158	ERJ6GEYJ394		Metal Coat, 390K ohms 0.1W	1	
R159	ERJ6GEYJ563		Metal Coat, 56K ohms 0.1W	1	
R161	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R162	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	1	
R163	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R164	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R165	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R166	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R167	ERJ6GEYJ393		Metal Coat, 39K ohms 0.1W	1	
R168	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R169	ERJ6GEYJ684		Metal Coat, 680K ohms 0.1W	1	
R170	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R173	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R178	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R191, 192	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	2	
R197	ERJ6GEYJ271		Metal Coat, 270 ohms 0.1W	1	
R198	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R214	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R314	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R618	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R619	ERJ6GEYJ222		Metal Coat, 2.2K ohms 0.1W	1	
R620	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R658	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R660	ERJ6GEYJ471		Metal Coat, 470 ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
[E5596A]			**CD BLOCK**		
R630 to 633	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	4	
R634	ERJ8GCYJ224		Metal Coat, 220K ohms 0.13W	1	
R635	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R636	ERJ8GCYJ224		Metal Coat, 220K ohms 0.13W	1	
R637	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R642	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R643	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	
R644	ERJ6GEYJ822		Metal Coat, 8.2K ohms 0.1W	1	
R645	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	
R646	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R647	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R648	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R668, 669	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	2	
R686	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R687	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R688	ERJ6GEYJ273		Metal Coat, 27K ohms 0.1W	1	
R689	ERDS2TKF1213		Metal Coat, 121K ohms 0.25W	1	
R690	ERJ6GENF4702V		Metal Coat, 47K ohms 0.1W	1	
R692	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R699	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R713	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R714	ERJ6GEYJ183		Metal Coat, 18K ohms 0.1W	1	
R715	ERJ6GEYJ564		Metal Coat, 560K ohms 0.1W	1	
R716	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R739	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R740, 741	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	1	
R742	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R759, 760	ERJ6GEYJ563		Metal Coat, 56K ohms 0.1W	2	
R761	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R762	ERJ6GEYJ221		Metal Coat, 220 ohms 0.1W	1	
R763	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R786	ERDS2TJ3R3		Carbon, 3.3 ohms 0.25W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R801	ERJ6GEYJ154		Metal Coat, 150K ohms 0.1W	1	
R802	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R803	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R804	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R805	ERJ12YJ100H		Carbon, 10 ohms 0.5W	1	
R806	ERJ6GEYJ392		Metal Coat, 3.9K ohms 0.1W	1	
R807 to 810	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	4	
R811	ERJ12YJ101H		Carbon, 100 ohms 0.5W	1	
R812	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R813	ERJ6GEYJ272		Metal Coat, 2.7K ohms 0.1W	1	
R814	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	1	
R815	ERJ6GEYJ392		Metal Coat, 3.9K ohms 0.1W	1	
R816	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R817	ERJ6GEYJ273		Metal Coat, 27K ohms 0.1W	1	
R818	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R819	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R820	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R821	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R824	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R825	ERJ6GEYJ681		Metal Coat, 680 ohms 0.1W	1	
R826	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R827	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R828	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	1	
R829	ERJ6GEYJ222		Metal Coat, 2.2K ohms 0.1W	1	
R830	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R831	ERJ6GEYJ152		Metal Coat, 1.5K ohms 0.1W	1	
R832	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R833	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R834	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R835	ERJ6GEYJ684		Metal Coat, 680K ohms 0.1W	1	
R836	ERJ6GEYJ105		Metal Coat, 1M ohms 0.1W	1	
R837, 838	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	2	
R839	ERJ6GEYJ182		Metal Coat, 1.8K ohms 0.1W	1	
R840	ERJ6GEYJ333		Metal Coat, 33K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R841	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R842	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R843	ERJ6ENF2202		Metal Coat, 22K ohms 0.1W	1	
R844, 845	ERJ6ENF4702		Metal Coat, 47K ohms 0.1W	2	
R846, 847	ERJ6ENF2202		Metal Coat, 22K ohms 0.1W	2	
R854	ERJ6GEYJ562		Metal Coat, 5.6K ohms 0.1W	1	
R855	ERJ6GEYJ153		Metal Coat, 15K ohms 0.1W	1	
R856	ERJ6GEYJ332		Metal Coat, 3.3K ohms 0.1W	1	
R857	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R858	ERJ6GEYJ1R2		Metal Coat, 1.2 ohms 0.1W	1	
TH601	ERDS2TKF1002		Carbon, 10K ohms 0.25W	1	
[E5597]			**RDS BLOCK**		
R132	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	1	
R133	ERJ6GEYJ333		Metal Coat, 33K ohms 0.1W	1	
R134	ERJ6GEYJ683		Metal Coat, 68K ohms 0.1W	1	
R135	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R136	ERJ6GEYJ122		Metal Coat, 1.2K ohms 0.1W	1	
R137	ERJ6GEYJ104		Metal Coat, 100K ohms 0.1W	1	
R138	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R139	ERJ6GEYJ682		Metal Coat, 6.8K ohms 0.1W	1	
R140	ERJ6GEYJ102		Metal Coat, 1K ohms 0.1W	1	
R149	ERJ6GEYJ472		Metal Coat, 4.7K ohms 0.1W	1	
R150	ERJ6GEYJ101		Metal Coat, 100 ohms 0.1W	1	
R151	ERJ6GEYJ822		Metal Coat, 8.2K ohms 0.1W	1	
R152	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R153	ERJ6GEYJ224		Metal Coat, 220K ohms 0.1W	1	
R154	ERJ6GEYJ222		Metal Coat, 2.2K ohms 0.1W	1	
R155	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	
R185, 186	ERJ6GEYJ222		Metal Coat, 2.2K ohms 0.1W	2	
R188	ERJ6GEYJ103		Metal Coat, 10K ohms 0.1W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R189	ERJ6GEYJ222		Metal Coat, 2.2K ohms 0.1W	1	
R195, 196	ERJ6GEYJ473		Metal Coat, 47K ohms 0.1W	2	
[E5598]			**ESC BLOCK**		
R601, 602	ERJ6GEYJ184		Metal Coat, 180K ohms 0.1W	2	
R603 to 606	ERJ6GEYJ223		Metal Coat, 22K ohms 0.1W	4	
			VRRIABLE RESISTORS		
VR1	EVU5YR002B25		Volume	1	
(VR203, 303)			Balance Control		
VR2	EVU95A023328		Volume	1	
(VR201, 301)			Bass Control		
(VR205)			GARA Control		
VR3	EVU24A023293		Volume	1	
(VR202, 302)			Treb Control		
(VR204, 304)			Fader Control		
VR101, 102	EVND1AA00B24			2	
VR103	EVND1AA00B14			1	
VR104	EVND1AA00B24			1	
VR105	EVND1AA00B15			1	
VR106	EVND1AA00B53			1	
VR107	EVND1AA00B15			1	
VR801	YEVN412C100K		100K ohms Semi-fixed(E5566b)	1	
VR802, 803	YEVN412C10K		10K ohms Semi-fixed(E5596b)	2	
VR804	YEVN412C22K		22K ohms Semi-fixed(E5596b)	1	
VR805, 806	YEVN412C10K		10K ohms Semi-fixed(E5596b)	2	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
			LCD		
LCD1	YEXDCM949		LCD	1	
			CRYSTALS		
XL101	YEXL49U04332		Crystal	1	
XL102	YEXL51N08000		Crystal	1	
XL601	YEXL49U11059		Crystal	1	
XL602	YEXL49U07200		Crystal	1	
XL801	YEXL49U0419		Crystal	1	
XL802	YEXL18N33868		Crystal	1	
			COMPONENT COMBINATIONS		
Z601	EXBF6E473J		47K ohms × 6	1	
Z801, 802	EXBF5E103J		10K ohms × 5	2	
			COILS		
L101	YEL103N101K		RF Coil	1	
L102	YELT02C2R2M		RF Coil	1	
L103	YELL07S175		OSC Coil	1	
L104	YELT03N101K		RF Coil	1	
L151	YELL07S176		OSC Coil	1	
L602, 605	YELT02C101KT		RF Coil	2	
L703	YETQ020F069		Choke Coil	1	
L705 to 708	YELT02C101KT		RF Coil	4	
L801	YELT02C2R2KT		RF Coil	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
			CD PLAYER PARTS		1500 A 1 96.6.25
1	YEFS04442		Damper	4	
2	YEFX0051392		Suspension Spring (Front)	2	
3	YEFX018219A		Damper Bracket (R)	1	
4	YEFX018217		Damper Bracket (B)	2	
5	YEFX233336		Clamper	1	
6	YEFV011244		Insulator	1	
7	YEFX233337		Clamper	1	
8	YEFD13011-K		Suspension Ass'y	1	
9	YEFX018218A		Damper Bracket (L)	1	
10	YEFX0051388B		Clamper Spring	1	
11	YEFX249344D		Clamper Arm Ass'y	1	
12	YEFX0051389		Spring	1	
13	YEFX0051393A		Suspension Spring (Rear)	2	
14	YEPOFX1283		Loading Ass'y	1	
15	YEFX233318		Cover	1	
16	YEFX999794B		Clamper	1	
17	YEAX02022		Clamper Magnet	1	
18	XQN16+A15FX		⊕Screw 1.6mmΦ × 15mm	1	
19	XYN2+C4FX		⊕Screw 2mmΦ × 4mm	6	
20	XQN2+C3FX		⊕Screw 2mmΦ × 3mm	1	
21	YEJE01014		E-Ring	1	

EXPLODED VIEW (CD DECK)/AUFGELÖSTE DARSTELLUNGS (CD GERÄT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST